Kenneth A. Ehrlich Direct: (310) 785-5395 Fax: (310) 712-3395 KEhrlich@jmbm.com 1900 Avenue of the Stars, 7th Floor Los Angeles, California 90067-4308 (310) 203-8080 (310) 203-0567 Fax www.jmbm.com

Ref: 58038-0043

May 31, 2006

Kim Muratore Case Developer (SFD-7-B) United States Environmental Protection Agency Region 9 75 Hawthorne Street San Francisco, CA 94105

Re: Our client: CalMat Co. dba Vulcan Materials Company, Western Division

("CalMat")

March 28, 2006 General Notice Letter and CERCLA § 104(e) Information

Request

Dear Ms. Muratore:

Our office represents CalMat. Please find enclosed CalMat's responses to questions 21-37 from the CERCLA § 104(e) information request referenced above. Please contact our office with questions or comments.

Very truly your

KENNETH A. EHRLICH, a Professional Corporation of

Jeffer, Mangels, Butler & Marmaro LLP

KAE:pf1

San Fernando Valley/North Hollywood Superfund Site First Round of Responses (Responses to questions 21-37 postmarked no later than May 31, 2006)

The CalMat Co. dba Vulcan Materials Company, Western Division ("CalMat" or the "Company") responds to the United States Environmental Protection Agency, Region IX's March 28, 2006 General Notice Letter and CERCLA Section 104(e) Information Request ("Information Request") without prejudice and reserving all of its legal rights and waiving none. CalMat reserves all of its legal rights and objections to the Information Request, and submits the following without prejudice.

7361 Laurel Canyon Blvd.
 North Hollywood, CA 91605
 APN: 2307-022-010
 (Otherwise known as "Hewitt – Laurel Canyon Facility")

9228 Tujunga Avenue
 Sun Valley, CA 91352
 APN: 2538-010-002
 (Otherwise known as "Pick Your Part" – Tujunga facility)

9361 Glenoaks Blvd.
 Sun Valley, CA 91352
 APN: 2538-010-006 (Glenoaks Facility)

1. State the full legal name, address, telephone number, position(s) held by, and tenure of the individual(s) answering any of the questions below on behalf of the Company.

Response:

- * Brian Anderson (Manager Environmental Services) 3200 San Fernando Road Los Angeles, CA 90065 619-767-9437
- * Bill Bennett (Supervisor Landfills) 16016 Foothill Blvd. Irwindale, CA 91706 626-856-6184
- * John Bennett CDM, Inc. 18581 Teller Ave., Suite 200 Irvine, CA 92612

* George William Cosby

Conrock

4/15/63 - Sales Trainee

6/4/73- Assistant Sales Manager

CalMat

10/1/79 - Assistant General Manager Valley Reclamation

2/17/80 - General Manager Valley Reclamation

4/7/81 - Vice President General Manager Valley Reclamation (VP Land

Reclamation 7/15/90 - Title Change only)

Vulcan

2/29/00 - Retired

Personal Privacy

* Gary G Goellner 11401 W Tuxford St Sun Valley, CA 91352 (818) 922-8816 Cell (818) 535-2430 Reg Ops Mgr II - 10/8/01 Conrock,Valley Reclamation,CalMat, Vulcan

* Jerry Lindaman 11401 W Tuxford St Sun Valley, CA 91352 (818) 922-8817 Cell (818) 535-0836 Plant Mgr V - 10/1/04 Conrock, CalMat, Vulcan

* Greg Lindaman 11401 W Tuxford ST Sun Valley, CA 91352 (818) 983-0146 HDR Welder - 2/26/05 Conrock, CalMat, Vulcan

* William A. Miller Jr.
Vulcan Materials Company
9/16/68 - Current: Director, Corporate Risk (effective 3/01/04)
1200 Urban Center Drive

Birmingham, AL 35242 205-298-3455

21. Provide a scaled map of each of the Facilities which includes the locations of significant buildings and features.

Indicate the locations of any maintenance shops, machine shops, degreasers, liquid waste tanks, chemical storage tanks, and fuel tanks.

Provide a physical description of each of the Facilities and identify the following:

- a. Surface structures (e.g. buildings, tanks, containment and/or storage areas, etc.)
- b. Subsurface structures (e.g. underground tanks, sumps, pits, clarifiers, etc.);
- c. Groundwater and dry wells, including drilling logs, date(s) of construction or completion, details of construction, uses of the well(s), date(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened interval(s);
- d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal field(s);
- e. Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred; and
- f. The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits.

Response:

Laurel Canyon:

- Map: See Figure 1
- Location of certain areas in facility
- * Provide a physical description of each of the Facilities and identify the following:
 - a. Surface structures (e.g. buildings, tanks, containment and/or storage areas, etc.):

See Appendix A, Figure 1 and Section 2.

b. Subsurface structures (e.g. underground tanks, sumps, pits, clarifiers, etc.):

Los Angeles Byproducts installed a diesel underground storage tank (UST) on the site that was later removed by CalMat. The exact years of installation and removal of the former UST are not known or documented. No sumps or clarifiers exist/existed at the site (Personal communication, George Cosby, 2006; see Appendix B).

c. Groundwater and dry wells, including drilling logs, date(s) of construction or completion, details of construction, uses of the well(s), date(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened interval(s): Wells associated with the site are shown in Figure 1. The Solid Waste Assessment Test (SWAT) -Water Report (Law Environmental, 1988) and associated addendum (Law Environmental, 1989) contain groundwater well information and associated data. These documents are included in Appendix A.

No dry wells exist/existed at the site (Personal communication, George Cosby, 2006; see Appendix B).

d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal field(s):

The locations of known subsurface stormwater drainage system and sanitary sewer lines are shown in Figure 1. Stormwater drainage annual reports for years 1999 to 2005 are included in Appendix C.

No septic tanks or subsurface disposal fields are known to have existed at the site (Personal communications, George Cosby, Retired CalMat Vice President of Landfill Operations; Steve Botsford, Laurel Canyon Properties, LLC., present tenant Laurel Canyon Facility and owner of the onsite Mini Storage facility, 2006; see Appendix B).

e. Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred:

Based on available aerial photos (Appendix D), the following changes in structures occurred:

1928, 1938, and 1956 photos: Five buildings/structures related to the aggregate plant existed on the east side of the parcel.

1965: All structures have been removed and the east side of the parcel is now filled to grade. The western portion remains excavated.

1969: Landfilling continues, advancing from east to west.

1972: A scalehouse is the only structure present and entire site has been filled and graded.

1974, 1976, 1977: Scalehouse has been demolished and no structures are present at the site.

1977, 1979, 1980, 1981, 1982: Landfill gas monitoring system, associated piping, and methane flare are visible in these photographs. No other structures are present.

1989-2002: Mini-storage units and modular buildings are present in the eastern portion of the site. Automobiles associated with the auto auction business are present in the central portion, No structures are present in the western portion.

f. The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits:

None known.

Document Sources: Vulcan internal aerial photo collection, SWAT Report (Law Environmental, 1988, 1989)

People Sources:

- 1. George Cosby (Personal communication, 2006, Appendix B)
- 2. Steve Botsford (Personal communication, 2006, Appendix B)

Glenoaks Facility:

- Map: See Figure 2
- Location of certain areas in facility
- * Provide a physical description of each of the Facilities and identify the following:
 - a. Surface structures (e.g. buildings, tanks, containment and/or storage areas, etc.):

See Figure 2.

b. Subsurface structures (e.g. underground tanks, sumps, pits, clarifiers, etc.):

None known.

c. Groundwater and dry wells, including drilling logs, date(s) of construction or completion, details of construction, uses of the well(s), date(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened interval(s):

No groundwater wells are known to exist onsite per Geomatrix investigation and corresponding May 2, 2006 letter to EPA (SDMS Doc ID# 1102802; Appendix E).

d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal field(s):

The locations of known subsurface stormwater drainage system and sanitary sewer lines are shown in Figure 1.

e. Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred:

Based on available aerial photos (Appendix D), the following structural changes within the two contiguous "Pick Your Part" parcels (Tujunga and Glenoaks facilities) have been observed:

1928: Agricultural plots with various residential and agriculture related structures (i.e bins, silos) occupy both parcels.

1938: Agricultural structures have been demolished. A mine pit is visible in the western half (current location of the Tujunga facility), and an associated aggregate conveyor is present.

1954: The aggregate conveyor has been extended eastward across Glenoaks Blvd. to the aggregate mining operation across Glenoaks Blvd.

1956, 1959: Mining related structures are visible along Tujunga Avenue.

1960: Two large gravel stockpiles are visible in the photograph, and the existing conveyor system has been moved slightly northward.

1965: Automobiles are stored on Pendleton Street in the eastern corner (location of the current Glenoaks facility). The presence of these automobiles presumably constitutes the initial stages of the current auto dismantling facility operations.

1971: Aggregate mining continues and more automobiles are visible in the eastern corner.

1971, 1973, 1967, 1977, and 1980: Increasing numbers of automobiles are present in the eastern half of the parcel that is now the Glenoaks facility.

1981: The aggregate conveyor has been removed from the site, and more automobiles have visibly expanded to the west within the current Glenoaks facility.

1982: A new conveyor is now present, reconfigured to transport aggregate through the site to the Sun Valley Operation. The Glenoaks facility is almost completely filled with automobiles. The parcel boundary between Tujunga and Glenoaks Facilities is clearly visible. Mining related buildings on Tujunga Avenue remain.

1989: Automobiles appear in western portion (current location of the Tujunga facility).

1994: Increasing number of automobiles in present location of the Tujunga facility.

2002: Both facilities now storing many automobiles. Structures built in association with mining operations remain on site, apparently still being used by Pick Your Part, the current owner of the facility.

f. The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits.

None known.

Document Source: None

People Source: See Appendix B; Jerry Lindaman, Vulcan Sun Valley Operation Plant Manager; Gary Goellner, Vulcan Los Angeles Regional Operations Manager.

Tujunga Facility

Map: See Figure 2

- Location of certain areas in facility
- * Provide a physical description of each of the Facilities and identify the following:
 - a. Surface structures (e.g. buildings, tanks, containment and/or storage areas, etc.)

See Figure 2.

b. Subsurface structures (e.g. underground tanks, sumps, pits, clarifiers, etc.):

None known.

c. Groundwater and dry wells, including drilling logs, date(s) of construction or completion, details of construction, uses of the well(s), date(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened interval(s):

None known (see Glenoaks Facility response to this question, incorporated by this reference).

d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal field(s):

None known.

e. Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred:

See above site description for Glenoaks Facility.

f. The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits:

None known.

Document Source: None

People Source: Appendix B; Jerry Lindaman, Gary Goellner (Personal

communication, 2006).

22. Provide copies of hazardous material business plans and chemical inventory forms (originals and update) submitted to city, county, and state agencies.

Response:

Laurel Canyon Facility: None found

Document Source: City of Los Angeles Fire Department in response to CDM's file

review request (Appendix F).

People Source: None

Glenoaks Facility:

Document Source: Los Angeles City Fire Department, HAZMAT Business Plan,

Document I.D. # FA35200 (Appendix F)

People Source: None

Tujunga Facility: None found

Document Source: City of Los Angeles Fire Department (Appendix F)

People Source: None

23. Provide a list of all chemicals and hazardous substances used at each of the Facilities, identifying the chemical composition and quantities uses. Provide copies of Material Safety Data Sheets for all hazardous substances used.

Response:

Laurel Canyon Facility:

- Hazardous substances used: Diesel fuel and lubricating oil was used by trucks and equipment. No MSDS available. No other chemicals were known to have been used, stored, or disposed of at the Laurel Canyon Facility. Current lease conditions do not allow chemicals to be stored at the Laurel Canyon facility, which includes the mini-storage and auto auction.
- Chemical Composition: Diesel fuel and lubricating oil
- Quantities used: Not known Document Source: None found

Person Source: Appendix B; George Cosby and Steve Botsford (Personal

communication, 2006).

Glenoaks facility

- Hazardous substances used: Diesel fuel and motor oil was used by trucks and equipment
- Chemical Composition: Diesel fuel and lubricating oil
- Quantities used: Not known.

Document Source: None found

Person Source: Appendix B; Greg Lindaman, Gary Goellner (Personal

communication, 2006).

Tujunga Facility

- Hazardous substances used: Diesel fuel and lubricating oil were used by trucks and equipment
- Chemical Composition: Diesel fuel and motor oil
- Quantities used: Not known.

Document Source: No pertinent documentation has been found

Person Source: Appendix B; Greg Lindaman, Gary Goellner (Personal

communication, 2006).

- 24. Identify and provide the information below for all volatile organic compounds (most notably PCE; TCE; 1, 1-DCE; MTBE; 14-DCA, cis-1,2-DCE; and carbon tetrachloride); Title 22 metals including total and hexavalent chromium; 1, 4-dioxane; N-nitrosodymethylamine (NDMA); perchlorate; which are or were used at, or transported to, each of the Facilities:
- a. The trade or brand name, chemical composition, and quantity used for each chemical or hazardous substance and the Material Safety Data Sheet for each product;
- b. The location(s) where each chemical or hazardous substance is or was used, stored, and disposed of;
- c. The kinds of wastes (e.g. scrap metal, construction debris, motor oil, solvents, waste water), the quantities of wastes, and the methods of disposal for each chemical, waste or hazardous substance;
- d. The quantity purchased (in gallons), the time period during which it was used, and the identity of all persons who used it; and
- e. The supplier(s), and provide copies of all contracts, service orders, shipping manifests, invoices, receipts, canceled checks, or any other documents pertaining to the supply of chemicals or hazardous substances.

Response:

Laurel Canyon:

No known usage of the referenced chemicals onsite. See Appendix B; Personal communications, George Cosby, Steve Botsford, 2006.

The site was operated as a solid waste landfill from 1962 until it was officially closed on November 12, 1975. Only non-hazardous solid waste and inert waste were accepted in the landfill. No liquid or hazardous wastes were accepted.

Glenoaks Facility:

No known usage of the referenced chemicals onsite. See Appendix B, Personal communication, Greg Lindaman, 2006.

Tujunga Facility:

The Company has reviewed no documentation which reveals use of the referenced chemicals onsite.

25. Provide copies of all environmental data or technical or analytical information regarding soil, water, and air conditions at or adjacent to each of the Facilities, including, but not limited to, environmental data or technical or analytical information related to soil contamination, soil sampling, soil gas sampling, geology, water (ground and surface), hydrogeology, groundwater sampling, and air quality.

In your response, include copies of a supplemental monitoring report dated July 1, 1989, mentioned in the Solid Waste Assessment Test (SWAT) – Water for Hewitt Landfill dated June 6, 1988 prepared by Law Environmental for CalMat Company, and include a

copy of Appendix D to the SWAT report dated July 1, 1988, prepared by Law Environmental for CalMat Company.

Response:

Laurel Canyon Facility: Available data are provided in the appendices specified below.

Document Sources:

- Law Environmental (1988, 1989; Appendix A).
- Environmental Profiles Inc. (2001; Appendix G).
- Law Environmental (1989), Vadose Zone Monitoring and Testing (Appendix G)
- Mandeville and Associates (1988). Air Quality SWAT for Hewitt Landfill (Appendix H).
- Landfill Gas Collection System Monitoring and Maintenance documentation and data (Appendix I).
- GC Environmental (April 2005). First Quarter Air Monitoring Report for the Hewitt Pit Landfill.

Glenoaks Facility: No onsite groundwater wells have been found.

Document Source: Transmittal from Dongell-Lawrence-Finney-Claypool Lawyers to EPA describing Geomatrix investigation (Appendix E).

Tujunga Facility: No onsite groundwater wells have been found.

Document Source: Transmittal from Dongell-Lawrence-Finney-Claypool Lawyers to EPA describing Geomatrix investigation (Appendix E).

- 26. Identify, and provide the following information for, all groundwater wells that are located at each of the Facilities:
 - a. A map with the specific locations of the groundwater wells at each of the Facilities;
 - b. Date the each of the Facilities' groundwater wells were last sampled;
 - c. List of all constituents which were analyzed during groundwater sampling events; and
 - d. All groundwater sampling results, reports of findings, and analytical data.

Response:

Laurel Canyon Facility:

- a. A map with the specific locations of the groundwater wells at each of the Facilities: Law Environmental (1988, 1989; Appendix A) and Figure 1.
- b. Date each of the Facilities' groundwater wells were last sampled: 1989.

- c. List of all constituents which were analyzed during groundwater sampling events: Law Environmental (1988, 1989; Appendix A).
- d. All groundwater sampling results, reports of findings, and analytical data. Law Environmental (1988, 1989; Appendix A).

Document Source: Law Environmental (1988, 1989; Appendix A)

Person Source: None

Glenoaks facility

- a. A map with the specific locations of the groundwater wells at each of the Facilities;
 - b. Date the each of the Facilities' groundwater wells were last sampled;
- c. List of all constituents which were analyzed during groundwater sampling events; and
 - d. All groundwater sampling results, reports of findings, and analytical data.

No groundwater wells known to exist onsite.

Document Source: Transmittal from Dongell Lawrence et al. to EPA describing Geomatrix investigation (Appendix E).

Person Source: None

Tujunga Facility

- a. A map with the specific locations of the groundwater wells at each of the Facilities;
 - b. Date the each of the Facilities' groundwater wells were last sampled;
- c. List of all constituents which were analyzed during groundwater sampling events; and
 - d. All groundwater sampling results, reports of findings, and analytical data.

No groundwater wells known to exist onsite.

Document Source: Transmittal from Dongell Lawrence et al.to EPA describing Geomatrix investigation (Appendix E).

Person Source: None

27. Identify all insurance policies held by the Company from time to time it commence ownership of or operations at each of the Facilities until the present. Provide the name and address of each insurer, the policy number, the amount of coverage and policy limits, the type of policy, and the expiration date of each policy. Include all comprehensive general liability policies and "first party" property insurance policies and all environmental impairment insurance. Provide a complete copy of each policy.

Response:

CalMat has prepared Appendix M, an insurance summary chart, and incorporates the chart by this reference.

Person Source: William Miller, Vulcan Materials Co.

28. Provide copies of any applications for permits or permits received under any local, state, federal environmental laws and regulations, including any waste discharge permits, such as national pollutant discharge elimination system permits.

Response:

Laurel Canvon:

Document Sources:

- Application for Sanitary Landfill Permit (Appendix J)
- Air Quality Permit for Methane Flare Vent for Landfill Gas Monitoring System (Appendix J)
- Storm Water Pollution Prevention Plan (SWPPP) for Mini Storage facility on Hewitt (Appendix J)

Glenoaks facility No responsive permits found.

Tujunga Facility: No responsive permits found.

29. If the Company discharged any of its waste stream to the sewer at any of the Facilities, provide copies of all permits and all analyses performed on discharged water, and identify all locations where waste streams were discharged.

Response:

<u>Laurel Canyon</u>: Sanitary sewer connection to City of Los Angeles municipal sewer system only. No known waste streams were conveyed to the sewer.

Person Source: George Cosby and Steve Botsford (Personal communication, 2006; see Appendix B).

Glenoaks facility: Sanitary sewer connection to City of Los Angeles municipal sewer system only. No known waste streams were conveyed to the sewer.

Person Source: Jerry Lindaman (Personal communication, 2006; see Appendix B).

<u>Tujunga Facility</u>: Sanitary sewer connection to City of Los Angeles municipal sewer system only. No known waste streams were conveyed to the sewer.

Person Source: Jerry Lindaman (Personal communication, 2006; see Appendix B).

- 30. For each waste stream generated at each of the Facilities, describe the procedures for
 - (a) collection
 - (b) storage
 - (c) treatment
 - (d) transport
 - (e) disposal of the waste stream

Response:

<u>Laurel Canyon:</u> No waste streams generated onsite.

Person Source: George Cosby (Personal communication, 2006; see Appendix B.

Glenoaks facility No waste streams generated onsite.

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B.

Tujunga Facility No waste streams generated onsite.

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B.

31. Please provide a detailed description of all pre-treatment procedures performed by the Company on its waste streams at each of the Facilities prior to transport to a disposal site.

Response:

Laurel Canyon: None known

Person Source: George Cosby, Steve Botsford (Personal communication, 2006; see

Appendix B.

Glenoaks facility: None known

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B).

Tujunga Facility: None known

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B.

32. Please describe the method used by the Company to remove waste streams from sumps at each of the Facilities.

Response:

<u>Laurel Canyon</u>: No sumps onsite, no known waste streams generated onsite or discharged from the site.

Person Source: George Cosby, Steve Botsford (Personal communication, 2006; see Appendix B).

Glenoaks facility: None known.

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B).

Tujunga Facility: None known.

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B).

33. Please identify all wastes that were stored at each of the Facilities prior to shipment for disposal. Describe the storage procedures for each waste that was stored prior to disposal.

Response:

<u>Laurel Canyon Facility:</u> The subject facility has neither stored nor generated known wastes onsite. (Personal communications, George Cosby and Steve Botsford, 2006; see Appendix B).

Glenoaks Facility Wastes were not stored onsite (Personal communication, Greg Lindaman, 2006; see Appendix B).

<u>Tujunga Facility</u> Wastes were not stored onsite (Personal communication, Greg Lindaman, 2006; see Appendix B).

34. Please identify all leaks, spills, or other releases into the environment of any hazardous substances or pollutants or contaminants that have occurred at or from any of the Facilities.

In addition, identify and provide supporting documentation of:

- a. The date each release occurred;
- b. The cause of each release:
- c. The amount of each hazardous substance, waste, or pollutant or contaminant released during each release;
- d. Where each release occurred and what areas were impacted by the release; and
- e. Any and all activities undertaken in response to each release, including the notification of any local, state, or federal government agencies about the release.

Response:

Laurel Canyon Facility: No leaks reported.

Document Source: EDR GeoCheck Report (Appendix K)

Person Source: George Cosby (Personal communication, 2006; see Appendix B).

Glenoaks Facility: No leaks reported.

Document Source: EDR GeoCheck Report (Appendix K)

Person Source: Jerry Lindaman (Personal communication, 2006; see Appendix B).

Tujunga Facility: No leaks reported.

Document Source: EDR GeoCheck Report (Appendix K)

Person Source: Jerry Lindaman (Personal communication, 2006; see Appendix B).

35. Provide copies of any correspondence between the Company and local, state, or federal authorities concerning the use, handling, or disposal of hazardous substances at any of the Facilities, including but not limited to any correspondence concerning any of the releases identified in response to the previous question.

Response:

<u>Laurel Canyon Facility:</u> See Appendix L, which contains correspondence between CalMat and regulating authorities relative to the North Hollywood Operable Unit contaminant issues.

Glenoaks facility: None found.

Tujunga Facility: None found.

36. Provide a list of any hazardous substances that the Company knew, at the time it purchased each of the Facilities, had been used or disposed of at each of the Facilities.

Response:

Laurel Canyon Facility: None known

Glenoaks facility: None known

Tujunga Facility: None known

37. State whether the Company is aware of any measures taken to contain or remediate the effects of releases of hazardous substances at or adjacent to each of the Facilities. Provide copies of all documentation evidencing such remediation efforts not previously provided to EPA, as well as any documentation from state or federal regulatory agencies not previously provided to EPA identifying the need for investigation or remediation of releases of hazardous substances at or adjacent to the Facilities.

Response:

None known.

Attachments

Figure 1: Site Vicinity Map – Laurel Canyon Facility

Figure 2: Site Vicinity Map – Glenoaks and Tujunga Facilities

Appendix A: Solid Waste Assessment Test (SWAT) Reports – Water, Hewitt Landfill (Laurel Canyon Facility) (Law Environmental; 1988, 1989).

Appendix B: Personal Communication Documentation

Appendix C: Stormwater Discharge Annual Reports, Laurel Canyon Facility, 1999-2005

Appendix D: Aerial Photographs

Appendix E: Letter Concerning Nonexistence of Groundwater Wells at Glenoaks and Tujunga Facilities

Appendix F: File Review Requests to City of Los Angeles City Fire Department and Department of Toxic Substances Control

Appendix G: Construction and Testing of Vadose Zone Monitoring System, Hewitt Landfill (Laurel Canyon Facility) (Law Environmental, 1989)

Appendix H: Solid Waste Assessment Test (SWAT) Report - Air Quality, Hewitt Landfill (Laurel Canyon Facility) (Kleinfelder, 1989)

Appendix I: Hewitt Landfill Gas Collection System Permitting and Monitoring Data

Appendix J: Various Environmental Permitting, Hewitt Landfill (Laurel Canyon Facility)

Appendix K: Environmental Data Resources GeoCheck Reports

Appendix L: Regulatory Correspondence Concerning the North Hollywood Operable Unit

Appendix M: Insurance Summary Chart

Appendix N: First Quarter Air Monitoring Report for the Hewitt Pit Landfill, GC Environmental, April 2005

Response to General Notice Letter 104(E)

San Fernando Valley North Hollywood Superfund Site Volume I

May 24, 2006

Prepared for:

Vulcan Materials Company

Prepared by:

CDM

18581 Teller Avenue, Suite 200 Irvine, California 92612

Feet

Storm Sewer Pipelines

Legend

Parcel #2307-022-010 Hewitt Landfill (Closed) 7361 Laurel Canyon Boulevard North Hollywood, CA 91605

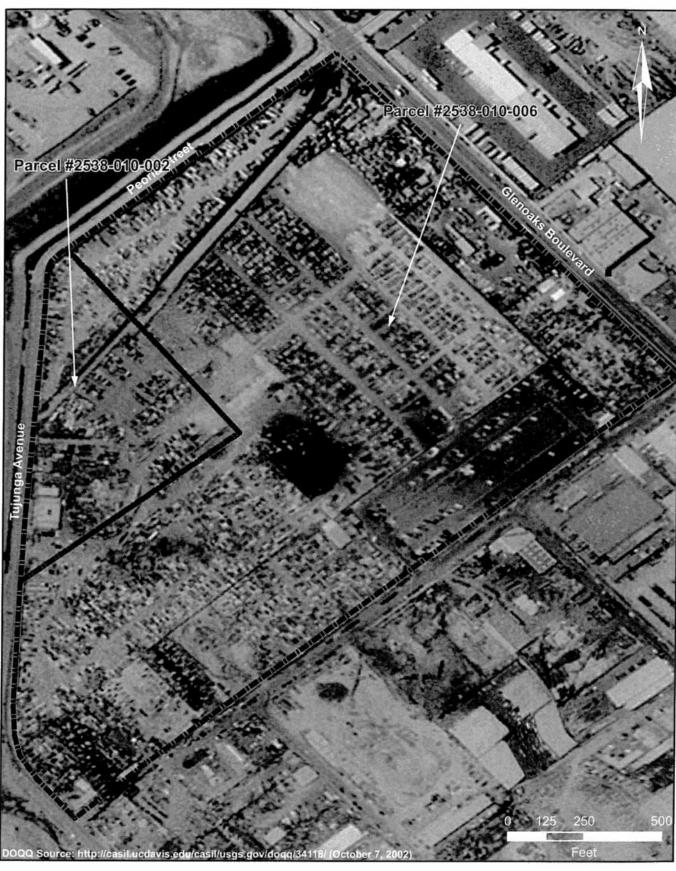
Los Angeles County City of Los Angeles

Storm Drain Inlet Monitoring Well Hewitt Landfill

Vulcan Materials Company Hewitt Landfill (Closed)

Site Vicinity Map - Laurel Canyon Facility

Figure 1



Legend

G:\22517_Vulcan\Figure 2_PickYourPart

Storm Drains

Storm Sewer Pipes

City of Los Angeles

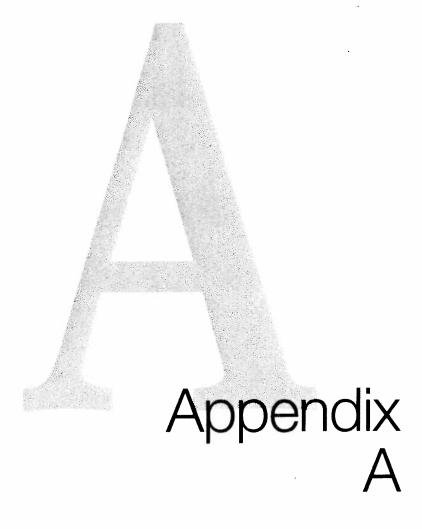


Pick Your Park
(Tujunga Facility)

Parcel #2538-010-002 Pick Your Part (Tujunga Facility) 9228 Tujunga Avenue Sun Valley, CA 91352

Pick Your Park (Glenoaks Facility)

Parcel #2538-010-006 Pick Your Park (Glenoaks Facility) 9361 Glenoaks Boulevard Sun Valley, CA 91352 Vulcan Materials Company Site Vicinity Map - Pick Your Part (Tujunga and Glenoaks Facilities)



Appendix A Solid Waste Assessment Test (SWAT) Reports-Water, Hewitt Landfill (Laurel Canyon Facility) (Law Environmental; 1988, 1989)



SOLID WASTE ASSESSMENT TEST REPORT - WATER

HEWITT LANDFILL

NORTH HOLLYWOOD DISTRICT, LOS ANGELES, CALIFORNIA

FOR

CALMAT COMPANY

PROJECT NO. 58-7057

\$ B

REFERENCES

- Brown and Caldwell Quality Assurance Division, April 1987, "Quality Assurance Manual", Fifth Edition.
- California Division of Mines and Geology, 1975, "San Fernando, California Earthquake of February 9, 1971", Bulletin 196.
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- DeWiest, J. M. 1962, "Theory of Ground Water Movement", translation.
- Department of Housing and Urban Development, 1973, "Performance of Single Family Dwellings in the San Fernando Earthquake of February 9,1971", F. G. McClure, p 226-293.
- Greensfelder, R. W., 1974, "Maximum Credible Rock Acceleration from Earthquakes in California", CDMG Map Sheet 23.
- Los Angeles Department of Public Works, Flood Control, 1982, "Hydrologic Report 1975-77".
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GAS MIGRATION

There is little or no threat to water quality from gas migration. A gas control system was installed during the mid-1970's. Gas production has been declining with time. The drilling of the leachate well revealed little decomposed waste present. Water quality could be threatened, if the gas system were to cease operation before the fill fully decomposed. However, the gas system is planned to stay in operation.

REMEDIAL ACTION

We recommend continued vigilance in adjusting the gas system, maintenance of a low permeability cover, and maintenance of proper run-off control in order to prevent water from ponding on the site.



hazardous compounds originating in landfill gas have measurably affected ground water beneath the landfill. We feel that with time we can verify this, after we have gathered a larger data base. The data at this time is too limited to reach any firm conclusion. The gas analysis shows detectable limits of sixteen different compounds, and are presented in Appendix B.

CONCLUSIONS

HAZARDOUS MATERIALS ON SITE

Although records of waste received at Hewitt Landfill are poor, this site does not appear to contain hazardous materials at concentrations that would affect water quality. The site does not produce leachate. Only gas analyses show the presence of trace amounts of solvents.

LEAKAGE OF HAZARDOUS MATERIAL

There is no evidence of leakage of leachate from the Hewitt Landfill. The landfill gas does not appear to be releasing hazardous compounds into ground water.



will continue to monitor the lysimeters and will collect samples, if possible. If only a small amount of water is collected by the lysimeters, we will specify analysis on a priority basis. Purgeable priority pollutant analyses (EPA 624) will be done first (chloride, TDS, pH, and one or two metals). If a sufficient quantity of water remains, other parameters will be analyzed.

LEACHATE WELL ANALYSIS

Because the site is unlined and because it does not contain a leachate sump, leachate samples were not obtained. A leachate well that was drilled and constructed through refuse, encountered little decomposable waste in a black silty sand matrix. This material was slightly moist to moist and did not contain any leachate or free liquid of any kind. Data on the moisture content of the trash and matrix is found in Appendix E, along with construction details of the leachate well. The location of the leachate well is on Plate 1, Local Geology and Well Location.

AIR SWAT SUMMARY

As of the date of this report, the completed Air SWAT is not yet available. However, based on the results of the ground water analysis from other sites nearby, we can conclude that although landfill gas does affect water quality, we do not think that



TABLE 5
WATER QUALITY SUMMARY

WELL	DATE	Cl (mg/l)	TDS (mg/l)	HCO ₃ (mg/l)	PCE (mg/l)	TCE (mg/l)	NO ₃ (mg/1)
Ungradian	APR '88	27	320	290	2	<1	21
Upgradien (Well)	FEB '87	16	300	340	200	45	0.6
	NOV '84	3.2	420	300	3	_	15
4909C (Well 2)	APR '88	16	520	520	<1	<1	1.4
	FEB '87	35	450	350	6	71	28
Second Downgradi (Well 3)	APR '88 ent	32	570	510	<1	<1	48

To insure a minimum thickness of one and a half inches around the instrument, silica flower mixed with distilled water was poured around the instrument, and frozen prior to installation. To facilitate sampling due to depth the lysimeter contains a transfer vessel.

Sampling was attempted on May 6, 1988, but failed because of lack of moisture. There may not be enough moisture in the alluvium to ever obtain a sample, because the average moisture content of the alluvium is between 3 and 8 percent. However, we



VOLATILE ORGANICS

Volatile organics are found in the upgradient and downgradient monitoring wells. The upgradient well had PCE levels of 200 mg/l in February 1987 that dropped to 2 mg/l in April 1988. Neither one of the downgradient wells show any traces of PCE or TCE during the April 1988 run. However, Well 4909C has 6 and 71 mg/l of PCE and TCE, respectively, during the February 1987 run. Elevated levels of volatile organics is a basin wide problem, whose source is probably careless disposal of industrial waste.

Table 5, Water Quality Summary, shows measured levels of several parameters tested.

VADOSE ZONE MONITORING

To satisfy SWAT requirements, two TIMCO teflon lysimeters were installed in boreholes that were drilled to 50 and 52 ft., respectively. However, we do not endorse the use of lysimeters in gravel. The location of the lysimeter holes is seen on Plate 1, Local Geology and Well Location Map. The lysimeters were installed upgradient and downgradient of the site to insure background sampling and sampling that will be influenced by the landfill. The lysimeter borehole logs and lysimeter construction details are located in Appendix D.

Inorganics

The inorganic constituents analyzed include pH, EC, NO_3 , Na, Cl, COD, Alkalinity, CO_2 , and TDS. According to reports by LADWP (1983), RWQCB (1975), and California Department of Water Resources (1969), landfills can affect inorganic water quality. The constituents affected are principally CO_2 , TDS, Cl, NO_3 , HCO_3 , and COD.

The following table shows the mineral quality objectives for the area of the Bradley West Landfill. The information is taken from the RWQCB Basin Plan (1975).

TABLE 4
MINERAL QUALITY OBJECTIVES FOR GROUND WATERS

_	Objective (mg/l)			
San Fernando Subunit	TDS	Sulfate	Chloride	Boron
North Hollywood-Burbank Area	600	250	100	1.5

The general mineral quality in the vicinity of landfill is within the RWQCB objectives. According to the RWQCB Water Quality Control Plan Report, "....the major threat to water quality is the gaseous product of decomposition. Carbon dioxide production is significant; the gas can migrate through the (unsaturated) soil and dissolve in the ground water resources... Leachate is generally high in BOD and TDS..."

1 1

Available water quality analyses for the McBride Well (4889) 3,000 feet upgradient, and the Hewitt upgradient well were reviewed and compared with water quality at the downgradient well. LADWP Well 3800C is reported to have good records of VOCs for several years. The McBride Well (4889) is downgradient of Sheldon-Arleta Landfill. The available analyses are attached in Appendix B. Water analyses including VOCs are available for several LADWP supply wells downgradient.

Preliminary review of the local water analyses shows that upgradient water has had high levels of PCE and TCE. These parameters have been present in Well 4909C and the upgradient well during the same sampling run in 1987, but were not present in the May 1988. Some of the parameters are higher upgradient and lower downgradient, then reverse in the next sampling run. There is no apparent decrease or increase in hardness attributable to landfill gas at the downgradient wells. This is consistent with an old landfill with declining gas production, particularly at the base of the fill. Plates 8 through 14 show results of concentrations of DCA, PCE, TCE, TDS, HCO₃, NO₃, and C1 listed next to the monitoring well locations.

SWAT SUMMARY

BACKGROUND WATER QUALITY

Background water quality was measured by examining the range of concentrations of major and minor ground water constituents. However, because the sampling for the SWAT program has been limited to one sampling run, conclusions are limited until more analyses are done. The second sampling run will be undertaken late June or early July. Water quality results are located in Appendix B. Sampling not under the SWAT Program was done on two prior occasions at the upgradient well, (Well 1) and on one prior occasion at Well 4909C (Well 2). The existing program requires analyses for the following parameters:

<u>Parameters</u>	Units
General Mineral Analysis (pH, EC, TDS, Cl, Na, NO ₃ , SO ₄ , CO ₂ , HCO ₃ , Ca, Mg, k)	mg/l
Metals	ug/l
EPA 624, 625	ug/l
COD, TOX, Oil and Grease	mg/l



TABLE 3
MONITORING WELL DATA

CONSTRUCTION DETAILS	UPGRADIENT WELL (WELL 1)	4909C (WELL 2)	SECOND DOWNGRADIENT WELL (WELL 3)
Casing Diameter	8"	6"	8"
Total depth (ft)	290	500	348
Casing Material	0-120 Steel	0-500 S	teel 0-100' Steel (16")
	120-290 PVC		0-348 PVC (8")
Perforated Inter	rval 120-280	230-240 290-300 390-400 480-490	
Filter Material	Pea gravel	Unknown	3/8" Gravel
Depth and Composition of Seals	0-109 Cement 109-110 Bentonit	Unknown ce	0-100 Cement 100-123 Bentonite
Date Constructed	11/1/84	Unknown	11/25/84
Depth to Top of Packer	267.42	329.00*	269.00
Depth to Water	246.80	248.08	247.88
Dates Samples	1/8/84 2/27/87 4/4/88	2/27/87 4/26/88	
Owner	CalMat	DWP	CalMat

^{*} Packer set additional 20 Ft. below first perforated interval beyond water table to insure sample collection. See discussion under depth sampling procedure.

prefabricated shroud and rubber packer was attached beneath the 2 HP pump and 1 inch discharge pipe for each well.

The pump and packer assembly has been set approximately 20 feet below the water level surface, except in the case of Well 2 (4909C). This well has four perforated zones with concrete seals between each zone. The pump was set below the first perforated interval below the water table. During the sampling run it was discovered that the upper zones were not properly developed, as the well was pumped dry. With the permission of the well owner (DWP) the well pump was pulled and the well was redeveloped. The pump was reset in the well a little deeper than before, but not beyond the next perforated interval. The packer was inflated and the well was pumped greater than three volumes without running dry. Details of the packer setting are shown on Table 3. Well Completion Reports are found in Appendix C.

The well sampling starts with inflating the packer with compressed nitrogen to a predetermined pressure. The pump operates with power provided by a portable generator. Each well has three times its volume of water pumped out before samples are taken.



MONITORING WELLS

The following are all the monitoring wells for the site, along with a description of which area each is in the best position to monitor based on the flow directions:

T.T.	1	٦
ne	T	ㅗ

Area Monitored

Well #1
Well #2 (4909C)
Well #3 (Second
Downgradient Well)

Upgradient Downgradient

Downgradient

All wells have had a pump and packer assembly installed for sampling the top 20 feet of the water table. See Plate 7, Retrofit Packer Assembly For New and Existing Wells at Hewitt Landfill, for details.

DEPTH SAMPLING PROCEDURE

Discrete depth sampling was done for Wells 1 and 3 on April 4, 1988, and Well 2 on April 26, 1988.

At the request of the RWQCB the three monitoring wells to be used during the SWAT Program have been provided with a permanent submersible pump and inflatable packer, which allows for the discrete sampling of the upper 20 feet of water surface. A

GROUND WATER MOVEMENT

The movement of ground water in the vicinity of the site is from northwest to southeast. Because the site is not adjacent to the Verdugo Fault, the fault does not affect the flow directions. The Tujunga spreading grounds are located north-northwest of the site and are not directly upgradient of the site. However, under conditions of heavy water spreading, flow gradients in the vicinity of the site are probably affected. Plate 6, Ground Water Contours, Velocity, and Flow Direction, shows details of ground water elevations, velocity and flow direction.

SPRINGS

There are no known springs within a mile of the site or within the site itself. Ground water did occasionally appear in the bottoms of the deeper gravel pits when large amounts of water were spread during the Spring. This water was part of the ground water body, so its quality was the same as that of ground water.

ture of the USDA for local soils. CDMG (1980) considers soils of the Tujunga and Hanford series to represent the youngest alluvium in the valley.

Pleistocene Alluvium

All of the ground water used in the eastern San Fernando Subarea lies within the Pleistocene alluvium. This unit consists of over 2000 feet of sand, gravel and boulders with red clay lenses. Both alluvial units unconformably overlie the underlying bedrock.

PERMEABILITY TESTING

Permeability of the Pleistocene alluvium was evaluated during construction of Second Downgradient Well. The Holocene sand and gravel in the upper 100 ft. of sediments in the area, are in continuity with the Pleistocene alluvium aquifer.

During well development, a pump test was performed to estimate the transmissivity of the aquifer. The results of the pump test indicates a transmissivity of approximately 240,000 gallons per feet per day. The calculations for the above data are found in Appendix C, Well Completion Report for the second downgradient well.



Hewitt Landfill also received soil for daily cover of trash. It is estimated that soil used for cover constitutes 10 to 15 percent of the refuse volume.

HYDROLOGY

WATER-BEARING CHARACTERISTICS OF NATURAL MATERIALS

Most of the ground water within a mile of the site is within the Pleistocene alluvium. The Holocene alluvium is more than 100 feet above the perennial ground water surface. The Holocene alluvium transmits water to the Pleistocene alluvium during recharge events. The Miocene and pre-Cretaceous rocks beneath the alluvium are not used for water supply because they do not contain economically exploitable volumes of water.

Holocene Alluvium

The Holocene alluvium lies above the main waterbearing portion of the alluvium. The Holocene alluvium beneath Tujunga Wash is considered by the State Water Rights Board (p. xxxiii, 1962) to have the highest infiltration capacity in the San Fernando Valley. According to maps of the Los Angeles County Flood Control District, the soil type is 015, Tujunga fine sandy loam. The Los Angeles County Flood Control District uses the nomencla-



glass

manufactured rubber products

paper and paper products

market refuse

cloth and clothing

street sweepings

wood and wood products

garbage

lawn clippings, shrubbery

plaster

Although the site did not accept toxic material such as insecticides, poisons, or radioactive waste, some household waste items may have contained minor amounts of hazardous materials. Because of the manner and containers in which it was received, it would have been impossible to reject all of it. The potential amount of household waste containing hazardous compounds is small compared to the overall amount of waste received. The following list includes some of the items normally associated with household refuses:

pesticides

dry cell batteries

varnish

nail polish

dyes

paint

medicine

ink

crankcase oils

various spray cans containing chemicals



dering the south side of the landfill is the Southern Pacific Railroad Tracks. Laurel Canyon Boulevard borders the east side of the site, and the west side is bordered by light industrial. Plate 5, Land Use Map shows land use within one mile of the site.

Ground water in the vicinity of the site is used for municipal purposes. Because the San Fernando Valley is an adjudicated basin and water rights have been apportioned, future uses will be limited to shifting present uses. Some wells in the vicinity of the site have experienced contamination problems that do not appear related to the site. Compared with past experiences at the Sheldon Area Landfill, where contamination was found a mile downgradient, there are no reported landfill related problems with LADWP's supply wells 2000 feet downgradient.

WASTE CHARACTERISTICS

The site was open to the public for the disposal of waste between 1962 and November 12, 1975. The type of waste that was disposed of below elevations 555 to 560 was limited to solid inert materials. Waste disposed of above 555 to 560 ft. elevations consisted of solid commercial and residential waste and nonwater soluble, nondecomposable inert solid waste. This material consisted of some of the items below:

6

1 2

ii



the Pleistocene age fill west of Sepulveda Boulevard. The fault has no known effect east of Sepulveda Boulevard.

LAND AND WATER USE

The location of monitoring and water wells within about one mile of the site are shown on Plate 1, Local Geology and Well Location Map. There are no known oil or geothermal wells within one mile of the site. The names, owners and addresses (where known) of wells are listed on Table 1. The ownership and location of the wells were determined from well data at the Los Angeles County Flood Control District, Los Angeles Department of Water and Power, and review of published data from the California Regional Water Quality Control Board, and California Department of Water Resources.

The land use within one mile of the site is a mixture of agriculture, residential, and industrial-commercial. A residential tract is located along the east side of the northerly trending finger of the landfill, and along the west half of the north side of the main body of the landfill. Row crops have been grown along the north side of the landfill between the residential area and the small light industrial area along Laurel Canyon Blvd. We understand that this area will no longer be used for agricultural purposes, but will soon be developed for residential use. Bor-

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fault cuts Pleistocene sediments, it does not appear to cut Holocene deposits.

There is no evidence that the ground water barrier formed by the Verdugo Fault extends into Holocene deposits of Tujunga Wash. There is no vegetation line or line of springs present on the 1908 USGS map of the vicinity which show predevelopment conditions. There is no topographic evidence of the fault in the alluvium. Based on the Pleistocene shears and the lack of observable Holocene offset, the fault is considered only potentially active and is not included in the state mandated Alquist-Priolo Special Studies Zone.

Northridge Hills Fault (Potentially Active)

The potentially active Northridge Hills Fault is located four and one-half miles to the northwest of the site and is shown on Plate 2, Regional Geology. Its location is primarily based upon numerous oil test holes that have been drilled in the Northridge Hills. Logs of these wells indicate that the Modelo Formation has been displaced between 500 and 1000 feet along the dip of the fault. The apparent movement along the fault has been dip-slip with the north block moving up. Sparse information indicates that it is a barrier to the movement of ground water in

Acti	Lvity Clas	sification
and	Definitio	η

Criteria Historic

Geologic

Seismologic

Active - a tectonic fault with a history of strong earthquakes or surface faulting, or a fault with a short recurrence interval relative to the life of the planned project. The recurrence interval used to define activity rate may vary according to the consequence of activity.

Surface faulting and associated strong earthquakes.
 Tectonic fault creep or geodetic evidence of fault displacement or deformation.

- ·

- Geologically young deposits cut by fault.
- (2) Youthful geomorphological features that are characteristic of geologically young displacements along the fault trace.
- (3) Ground water barriers in geologically young or unconsolidated deposits.

Earthquake epicenter can be assigned with confidence to the fault.

Potentially Active - a tectonic fault without historic surface offset, but with a recurrence interval that could be sufficiently short to be significant to the particular project.

No reliable report of historic surface faulting.

- Geomorphic features that are characteristic of active faults, but with subdued, eroded, and discontinuous form.
- (2) Faults not known to cut or displace youngest alluvial deposits, but offset older quaternary deposits.

(3) Water barriers in older deposits.

(4) Geological setting in which the geometry in relation to active or potentially active faults suggests similar degree of activity. Alignment of some earthquake epicenters along or near fault, but assigned locations have low degree of confidence in location.

Activity Uncertain a fault with insufficient
evidence to define past
activity or recurrence
interval. The following
classifications can be
used until the results of
additional studies provide
definitive evidence.

Available information is insufficient to provide criteria that are sufficiently definitive to establish fault activity. This lack of information may be due to the inactivity of the fault or to lack of investigations needed to provide definitive criteria.

Tentatively Active - predominant evidence suggests that the fault may be active even though its recurrence interval is very long or poorly defined.

Available information suggests evidence of fault activity, but evidence is not definitive.

Tentatively Inactive - predominant evidence suggests that fault is not active.

Available information suggests evidence of fault inactivity, but evidence is not definitive.

Inactive - A fault along which it can be demonstrated that surface faulting has not occurred in the recent past, and that the requirement interval is long enough not to be of significance to the particular project.

No historic activity.

Geomorphic features characteristic of active fault zones are not present and geological evidence is available to indicate that the fault has not moved in the recent past and recurrence is not likely during a time period considered significant to the site. Should indicate age of last movement: Holocene, Pleistocene, Quaternary, Tertiary, etc.

Not recognized as source of earthquakes.



Nearby faults include the active San Fernando Fault Zone, the potentially active Verdugo Fault and the Northridge Hills Fault. Table 2 gives criteria for fault activity classification. Plate 3, Regional Seismicity, shows major faults and earthquake epicenters in Southern California. Plate 4, Geologic Sections, shows lithology and structural features for sections through the site.

San Fernando Fault Zone (Active)

The nearest Alquist-Priolo Special Studies Zone is along the San Fernando Fault northeast of the site. The Tujunga segment of the fault is 4.3 miles northeast of the site. The latest major activity on the fault was the magnitude 6.4 earthquake of February 9, 1971. The earthquake produced accelerations of about 0.5g at the site, but did no observable damage.

<u>Verdugo Fault (Potentially Active)</u>

The trace of the Verdugo Fault is located approximately 1.8 miles northeast of the site, as shown on Plate 1. The fault forms a barrier to ground water within the Pleistocene deposits. This offsets the water levels north of the fault by over 100 feet. The fault has been mapped on the surface in northeastern Glendale and at scattered locations in Burbank. Although the



Basement Complex

pre-Cretaceous crystalline and metamorphic rocks occur beneath all the waterbearing deposits of the basin are called the basement complex. These rocks are mostly granitic rocks with intrusive dikes which were locally metamorphosed to schists and gneisses. They form the main mass of the San Gabriel Range to the north and Verdugo Mountains to the east.

Although these rocks are poor aquifers, they are recharge areas. They have about one percent primary porosity, but are fractured, weathered and jointed. This secondary porosity allows the basement rocks to act as limited recharge areas where exposed to rainfall in the hill and mountain areas.

GEOLOGIC STRUCTURE

The geologic structure near and beneath the site includes bedding, unconformities, and faults. The Holocene and Pleistocene alluvial fan and stream deposits have crude horizontal stratification with weakly developed bedding. A major unconformity is found at the contact between Pleistocene alluvium and the older granitic and sedimentary rocks. None of the monitoring wells encountered the underlying bedrock.



The Pleistocene deposits consist of brownish to orange-grey silty, subangular sand, cobbles and boulders. The rock types are similar to the younger materials, so the regional topography and drainage were probably similar during the respective depositional periods. The environment of deposition, as indicated by grain size distribution and bedding, does not change through the sequence. The only difference between the Holocene and Pleistocene alluvium seems to be a difference in the amount of weathering.

Miocene Sedimentary Rocks

The Miocene sedimentary rocks include the middle Miocene Toganga Formation and the upper Miocene Modelo Formation. Both formations consist of marine shales, siltstones, sandstones and some conglomerates. The Topanga Formation also contains volcanic flows and breccias. Some of these older sediments make up the west abutment of Hansen Dam, located 4 miles to the north-north-east. The Miocene Formations are present deep beneath Hansen Dam, in the Shadow Hills area to the northeast (Read, 1943), and in the Pacoima Hills. These rocks are not used for water supply in the San Fernando Valley, and were not considered part of the waterbearing sequence by the State Water Rights Board (1962).



Holocene Alluvium

The Holocene alluvial deposits of the eastern San Fernando Subarea consist of poorly bedded alluvial fan deposits left by washes draining Tujunga and La Tuna Canyons. The alluvial fan deposits are mainly accumulations of light grey subangular boulders, gravels, and sands. Typical alluvial fan deposits are coarsest near the canyon mouths and become finer farther away. The deposits are uncemented, but are so tightly packed that they stand at 1:1 or steeper slopes. The Holocene deposits are approximately 75 to 100 feet thick. These deposits are highly permeable, but are high above the water table and do not hold significant amounts of water.

Upper Pleistocene (Older) Alluvium

The older alluvium is also made of alluvial fan sediments left by older streams having nearly the same source areas as the present streams. Like the Holocene alluvium, these deposits are also crudely horizontally stratified. There is no associated change in materials at the transition between the Holocene deposits and the Pleistocene alluvium. The stratification is based on a slight color change between the light grey upper sediments and the light orange-brown to reddish-grey older sediments.



from the eastern portion is coarser grained material that transmits water at relatively higher rates. The coarser grained material is eroded from granitic basement complex of the San Gabriel and Verdugo Mountains. The site is located in the coarse grained eastern portion of the Valley.

The alluvium filling the San Fernando Subarea is Pleistocene and Holocene age. The material was transported and deposited by Tujunga Wash. The alluvium covers Upper Miocene age Modelo Formation and the middle Miocene Topanga Formation. These Miocene sedimentary rocks in turn cover the pre-Cretaceous age crystalline and metamorphic basement complex rocks. Plate 2, Regional Geology, shows general geology over a wide area surrounding the site.

GEOLOGIC MATERIALS

The geologic units found in the eastern San Fernando Subarea are, from youngest to oldest: 1) Holocene alluvium, 2) upper Pleistocene (older) alluvium, 3) Miocene sedimentary formations, and 4) pre-Cretaceous crystalline and metamorphic rocks. The geologic units are described briefly as follows:



GEOLOGY

GENERAL

The site is located in the northeast quarter of the San Fernando Valley Basin. The San Fernando Valley is an elliptical alluvium-filled extensional basin, approximately 23 miles long and 12 miles wide. Alluvium has been deposited from streams and rivers that have carried erosional debris from surrounding upland areas. The valley is an extensional basin within the Transverse Ranges Geomorphic Province. This valley has several hydrogeologic subareas based on physiographic and geologic features. The site is located within the San Fernando Subarea, which is subjacent to all the other subareas, and receives surface drainage from each of them.

The San Fernando Subarea is separated from the other subareas by folds and faults, alluvial constrictions, or man-made works. All but 9% of the Upper Los Angeles River Ground Water Basin is included in the subarea. The San Fernando Subarea is divided into eastern and western units based on grain size. The valley alluvium of the western portion is fine grained material that transmits water at relatively slow rates. It is derived from surrounding sedimentary rock, whereas the valley alluvium

WATER WELL

Well No.			Bottom		Interval				Seal	*.o.¥	Owner
	Depth	Diam.	Diam.	Drilling	Perforated	Drilling	Year	re!	Depth Log	Analysis	
	Œ	Ç	ч		Depth (ft)	Contractor	Drilled	Use	(ft) Existence	Available	
4866	5%	12 1/2	12 1/2	Rotary	120 - 280	Howard Pump	1984	Monitoring	0 - 110 Yes	Yes	CalMat
4918A	200	9	9	Rotary	230 - 240 300 - 310	Cofferdam Unwatering	1985	Moni tor	? Yes	Yes	L.A. DWP
4927	ξ. Σ	8	æ	Rotary	45 · 375	Howard Pump	1984	Monitoring	0 - 145 Yes	Yes	L.A. By Products
4928A	452	æ	8	Rotary	224 - 433	Howard Pump	1984	Monitoring	0 - 100 Yes	Yes	L.A. By Products
49288	362	æ	æ	Rotary	161 - 362	Howard Pump	1984	Monitoring	0 - 138 Yes	Yes	L.A. By Products
Penrose #5	370	æ	బ	Rotary	160 - 369	Howard Pump	1988	Monitoring	0 - 35 Yes 145 - 150	Yes	L.A. By Products
Tuxford #6	359	8	8	Rotary	160 - 358	Howard Pump	1988	Monitoring	0 - 50 Yes 145 - 150	Yes	L.A. By Products
Tuxford #7	379	80	ω	Rotary	160 - 375	Howard Pump	1988	Monitoring	0 - 40 Yes 145 - 150	Yes	L.A. By Products
Newberry #8 377	3 377	8	ε0	Rotary	160 - 375	Howard Pump	1988	Monitoring	0 - 40 Yes 145 - 150	Yes	L.A. By Products
7606t	200	•	9	~	230 - 240 290 - 300 390 - 400 480 - 490	~	1984	Monitoring	? Yes	Yes	L.A. DWP
Second Downgradient Hewitt	348 ht	ε0	æ	Rotary	138 - 348	Howard Pump	1987	Moni toring	0 - 123 Yes	Yes	CalMat

	Ή
3	WATER

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100 to 10

Let No.		Top	Bottom		Interval	(continued)	(pg		Seal		*.0.*	Owner
	Depth (ft)	Diam.	Diam.	Drilling Method	Perforated Depth (ft)	Drilling	Year Drilled	Well Use	Depth (ft)	Log Existence	Analysis Available	
4919	197	12	12	~	٠	٠	<i>د</i> -	None - Destroyed or Collapsed Casing	75	O _N	ON	٤
4919A	128		٥	٤	٤	٤	1934	Domestic	~	ON.	No	٤
49198	156	ģ	2	Excavated	0	A.R. Tomson	1948	Observation	~	NO	ON ON	٤
49190			No In	No Information								٤
6264	ĮΣ	50	50	~	200 - 214 264 - 217 350 - 473 487 - 502 562 - 572 586 - 638 658 - 714	C.A. Tomson	1983	None Capped	~	, es	Υ es	~
6067	No In	No Information	8					None - Destroyed 11/24/50	~			-
46067	254	16	16	~	٠	So. Calif. Drilling Co.	1924	Destroyed 1944	٥	Yes	S.	2
86067	326	16	16	٤	230 - 270 300 - 314	Saunders Bros.	1952	Sand & Gravel Washing	~	Yes	S.	<i>د</i>
4918	365	٥	٥	Rotary	164 - 365	Howard Pump	1984	Monitor 0 -	- 156	Yes	Yes	L.A. By Products
4918A	2005	9	o	Rotary	230 - 240 300 - 310 390 - 410 480 - 490			Monitoring	~	Yes	Yes	DMP

Table 1 WATER WELLS (continued)

Top Bottom		Interval	(continued)	(Den		Seal		*	500
. Diam. Drilling R	Perforate	. 72	Drilling	Year) He [[Depth	8	Analysis	
(in) (in) Method	Depth (ft)		Contractor	Drilled		(ft)	Existence	Available	
No Information				1930	Municipal Supply	No Ir	No Information		ć
No Information			L.A. Water Department	1930	Municipal Supply	No Ir	No Information		L. A. Water Dept.
No Information		ł	L.A. Water Department	1930	Municipal Supply	No Ir	No Information		L. A. Water Dept.
512 20 20 7 150 - 175 185 - 204 232 - 274 284 - 369 501 - 509		1	L.A. Water Department	181	Municipal Supply	~	Yes	8	L. A. Water Dept.
780 20 20 7 7	٠		L.A. Water Department	1959	Municipal Supply	خ	Yes	0 2	L. A. Water Dept.
No Information		1							2
No Information		i							2
450 20 ?			L.A. Dept. of Water & Power	1932	Monitoring	~	Yes	Yes	L. A.
370 8 8 7 60 - 75 90 - 105 130 - 145 180 - 370	1 M		L.A. Dept. of Water & Power	1963	Ground Water Observation	~	Yes	Yes	<i>د</i>
148 7 7 7 7	٤		C.E. Tomson	1916	2	~	Yes	NO	٤
363 20 20 ? 250 - 330	250 - 330		L.A. Dept. of Water & Power	1974	٠	~	Yes	Yes	٥

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Destroyed 7/50

1915

3820A

Table 1 WATER WELLS

Miles on the Jean of

: :

600	i Š		2	٠	2	٠	٠	<i>c.</i>	2
*	Analysis	Available		S		8	2	<u>8</u>	No
	Log	Existence		O.	No Information	Yes	res S	es 	ON
1000	Seat Depth	£		2	No I	~	~	c	2
		Use		Capped 4/59	Destroyed 1924	Observation	Municipal Supply	Municipal Supply	Municipal
(þa	Year	Drilled		٤		1945	1953	1953	2
(continued)	Drilling	Contractor		3		Elmer A. Buss	C.A. Tomson H.E. Bredehoft	C.A. Tomson H.E. Bredehoft	C.A. Tomson
	Interval	Depth (ft)	No Information	2		110 - 147 168 - 178 182 - 226	204 - 214 270 - 313 365 - 380 425 - 446 447 - 491 522 - 542 555 - 600	190 - 227 274 - 319 344 - 352 360 - 367 407 - 427 445 - 461 543 - 549	7
	Drilling	Method	No Info	٠		~	٠	۲	٤
	Bottom Diam.	(in)	~	12	ation	8	50	50	خ
		(in)	7	12	No Information	ω	50	50	2
	Depth	(ft)	٠	٥	No	248	632	109	5
	Well No.		38118	38110	38110	3811E	38116	38116	3820

the contract of

Table 1 WATER WELLS

						(continued)	ed)					
Well No.		Top	Bottom		Interval				Seat		N.Q.*	Owner
	Depth	Diam.	Diam.	Drilling	Perforated	Drilling	Year	Well	Depth	8 .	Analysis	
3810P	S E	5	5	Control of Maria	280 - 707	Lontractor	1070	USe		Existence	Available	
5 5 7	3	₹,	2	Cable Tool	280 - 406 448 - 460 494 - 497 503 - 522 533 - 538	L.A. Dept. of Water & Power	1970	Municipal Supply	~	۲es ۲	O X	L.A. DWP
3810s	414	20	20	٠	110 - 142 162 - 221 245 - 288 297 - 391	So. Calif. Drilling Company	1924	Municipal Supply	~	Yes	9	6
3810T	789	20	20	2	205 - 222 250 - 280 327 - 389 405 - 413 422 - 433	L.A. Dept. of Water & Power	1963	Municipal Supply	~	Yes	S.	L.A. DWP
38000	555	20	20	٤	206 - 246 260 - 283 318 - 338 338 - 410 464 - 508 514 - 534	H.E. Bredehoft	1954	Municipal Supply	~	, es	S.	~
38000	02.2	20	20	٤	255 - 275 318 - 396 573 - 583 645 - 676	L.A. Water District	1962	~	~	Yes	2	L. A. Water District
3811	8	~	2	3	3	C.E. Tomson	1916	Destroyed 7/50	٤	0 %	O _X	¿
3811A	%	۲-	2	٤	2	٤		Destroyed 3/50	٠.	O _N	N _O	٤

Table 1 WATER WELLS

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	L	a.	d.MO	dHO	a-10	a-ho	amo o
	9	L.A. DWP	L.A. DWP	L.A. DWP	L.A. DWP	L.A. DWP	L.A. DWP
K.o.*	Analysis	ę	8	Yes	Yes	Yes	Yes
	Log	Y es	Yes	, ≺es	۲es	, es	Yes
Seal	Depth (++)	-	٠.	٠	۲	~	~
	Well	Municipal Supply	Municipal Supply	Municipal Supply	Municipal Supply	Municipal Supply	Municipal Supply
7	Year	1962	٠	1968	1969	1970	1970
Transition 1	Drilling	L.A. Dept. of Water & Power	L.A. Dept. of Water & Power	L.A. Dept. of Water & Power	L.A. Dept. of Water & Power	L.A. Dept. of Water & Power	L.A. Dept. of Mater & Power
Interval	Perforated	250 - 258 292 - 392 535 - 603 631 - 660 710 - 760	2	300 - 395 435 - 443 475 - 510 565 - 625 650 - 692 736 - 795	300 - 305 333 - 395 423 - 484 490 - 515 550 - 620	308 - 323 328 - 407 418 - 425 435 - 448 514 - 575	248 - 275 280 - 346 358 - 400 420 - 454 480 - 520
	Drilling	Cable Tool	2	Cable Tool	Cable Tool	Cable Tool	Cable Tool
Bottom	Diam.	50	50	50	20	20	50
Į 8	Diam.	20	20	50	20	20	20
	Depth	812	714	822	855	865	940
		3810K	3810L	3810M	3810N	3810P	3810a

₹	1
'	₹

			•	Owner	-	2	۲	2	2	٤	2	2	2
		K.0.7	Analysis	Avai (able	2	o ×	9				8	NO	NO
			Log	Yes	<u> </u>	Yes	Y es				N O	ON.	Yes
		Seal	Depth	çi,	.	2	~				2	~	2
			Well	Minicipal	Supply	Municipal Supply	Municipal Supply			Destroyed 7/50	Casing Sealed 4/66	Capped 7/66	None - Sealed 4/66
			Year	Prior	to 1924	٠	1947				~	2	1957
Table 1	(continued)		Drilling	י מינון פרנטן		٤	H.E. Bredehoft				~	٠	M.R. Peck & Sons 1957
		Interval	Perforated	2		110 - 225 245 - 302 327 - 392	120 - 149 155 - 181 185 - 214 220 - 265 320 - 387				٠	٤	80 - 150
			Drilling	~		٥	6				٠	~	2
		Bottom	Diam.	2		2	2				50	12	50
		7 9	Diam.	2		2	2	No Information	No Information	No Information	20	12	50
			Depth	455		465	419	No In	No In	NO IN	150	350	150
			Vet.	3810		3810A	38108	3810c	38100	3810E	3810G	3810н	3810J

Table 1 WATER WELLS

Top Bottom	Top Bottom	Bottom			Interval	(continued)	(i		Seal	-	W.Q.*	
Depth Diam. Diam. Drilling Perforated (ft) (in) (in) Method Depth (ft)	Diam. Diam. Drilling (in) (in) Method	Diam. Drilling (in) Method		Perforated Depth (ft)		Drilling Contractor	Year Drilled	Well D	Depth (ft)	Log Existence	Analysıs Available	Owner
20 20 Cable 160 · 187 T∞l 198 · 340 348 · 376 412 · 445 465 · 540	20 Cable 160 · 187 T∞l 198 · 340 348 · 376 412 · 445 465 · 540	Cable 160 - 187 1 198 - 340 348 - 376 412 - 445 465 - 540	160 - 187 340 376 445 540	160 - 187	_1 3 £.	L.A. Dept. of Water & Power Municipal Supply	1958	L.A. Dept. Water & Power	~	≺es	es -	L. A. DWP
760 20 20 7 7	20 ? ?	2 2	٤		1	L.A. Dept. of Water & Power	1964	None Capped 4-64	٤	Yes	2	L. A. DWP
802 20 20 7 265 - 370 L 432 - 462 W 502 - 648 700 - 720	20 7 265 - 370 432 - 462 502 - 648 700 - 720	7 265 - 370 432 - 462 502 - 648 700 - 720	265 - 370 432 - 462 502 - 648 700 - 720	370 462 648 720	1 3	L.A. Dept. of Water & Power	1%7		~	Yes	c	L. A. DWP
No Information	nformation	uo									Yes	٤
91 8 8 No Information	ಐ		No Information	ation							Yes	2
No Information	nformation	ion						Destroyed 1950	No In	No Information		د
No information	nformation	ion						Destroyed 1950	No In	No Information		د
393 20 20 ? 105 - 135 s 172 - 276 282 - 309 318 - 374	20 ? 105 - 135 172 - 276 282 - 309 318 - 374	7 105 - 135 172 - 276 282 - 309 318 - 374	105 - 135 172 - 276 282 - 309 318 - 374	- 135 - 276 - 309 - 374	"	So. California Drilling Co.	1924	Domestic & Irrigation	~	O _Z	S.	č
583 16 16 ? 160 - 535	16 ? 160 - 535	? 160 - 535	160 - 535			F.E. Griswold	1924	Municipal Supply	è	NO O	Š	د
109 7 7 ? ?	۲ .	č		٠		٠	Prior to 1947	Abandoned	~	N O	ON.	~



Table 1 WATER WELLS

th Diam. Diam. (in) (in) 16 16 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20			T op	Bottom		Interval				Seat		v.o.'	
16 16 7 7 7 1000 1000 7 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 10	C be pt	£ ~	Diam. (in)	Diam. (in)	Drilling Method	Perforated Depth (ft)	Contractor	Year	Well	Depth (ft)	Log	Analysis	Š
20 20 7 7 7 1929 None 7 Yes No Angeles 3/4 7 7 7 7 7 1929 None 7 Yes No	22	<u>ر</u>	16	16	-	٤	7		None	~	No	No	2
3/4 7 7 7 7 1929 None 7 No No	25	2	50	50	3	2	City of Los Angeles	1929	None	~	Yes	ON.	City of L.A.
20 20 7 7 7 1924 Municipal 7 Yes No Hoter & Power Supply Supply 1959	7	75	3/4	~	3	2	7	1929	None- capped	2	O.	N _O	٤
20 20 7 7 7 City of 1924 Destroyed 7 Yes No Los Angeles 1959 20 20 7 7 7 City of 1931 Municipal 7 7 No Los Angeles 20 20 7 166 - 178 E.A. Buss 1948 7 7 Yes No 20 225 256 - 266 274 - 304 308 - 366 421 - 460	≈	22	2	~	3	ć	L.A. Dept. of Water & Power	1%3	Municipat Supply	~	Yes	ο <u>ν</u>	L.A. DWP
20 20 7 7 City of 1929 Destroyed 7 7 No Los Angeles 1959 20 20 7 166 - 178 E.A. Buss 1948 7 7 Nes No 200 - 225 250 - 266 421 - 460 20 20 7 222 - 298 L.A. Dept. of 1951 Municipal 7 Yes No 347 - 298 Water & Power Supply 347 - 460 421 - 460 20 20 7 220 - 266 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 460 421 - 4	×	_κ	50	50	2	6	3	1924	Destroyed 1959	۲	Yes	O.	2
20 20 7 166 - 178 E.A. Buss 1948 7 7 7 8es No 200 - 225 250 - 266 274 - 304 308 - 366 421 - 460 20 7 222 - 298 L.A. Dept. of 1951 Municipal 7 Yes No 20 20 7 222 - 298 L.A. Dept. of 1951 Municipal 7 Yes No 20 20 7 222 - 298 L.A. Dept. of 1951 Municipal 7 Yes No 20 20 7 220 - 262 Fred Aleanter 1959 Municipal 7 Yes No 215 - 370 Supply Supply 418 - 452		976	50	20	٠	٠	City of Los Angeles	1929	Destroyed 1959	٠	2	Š	City of L.A.
20 20 7 166 - 178 E.A. Buss 1948 ? 7 Yes No 200 - 225 250 - 266 274 - 304 308 - 366 421 - 460 20 20 7 222 - 298 L.A. Dept. of 1951 Municipal 7 Yes No 367 - 298 Water & Power Supply 432 - 460 20 7 220 - 262 Fred Aleanter 1959 Municipal 7 Yes No 275 - 370 205 205 205 205 205 205 205 205 205 20	`	795	٠	٠	٢	٠	City of Los Angeles	1931	Municipal Supply	٠	2	N _O	City of L.A.
20 20 ? 222 - 298 L.A. Dept. of 1951 Municipal ? Yes No 367 - 298 Water & Power Supply 432 - 460 20 20 ? 220 - 262 Fred Aleanter 1959 Municipal ? Yes No 275 - 370 Supply Supply	4	8	50	20	~		E.A. Buss	1948	٤	~	Yes	8	~
20 20 ? 220 - 262 Fred Aleanter 1959 Municipal ? Yes No 275 - 370 Supply 418 - 452	3	2	20	20	٤	1	L.A. Dept. of Water & Power	1951	Municipat Supply	~	Yes	No.	L.A. DWP
	ŭ	8	50	50	٤	1	Fred Aleanter	1959	Municipal Supply	٠	Yes	O _N	~

1. 2



in contact with ground water would cause increase in ${\rm CO_2}$, hardness, soluble gases, odor, and create an anaerobic environment. Anaerobic bacteria consume nitrate and sulfate that may be present in ground water. The Air Quality SWAT is being done by others. Analyses of landfill gas are present in Appendix C. The analytical results are discussed later in this report.

TOPOGRAPHY AND DRAINAGE

Generally, the natural ground slopes about two percent to the south, but drainage has been altered locally by road building. The topography at the landfill is shown at a scale of 1" = 1000' on Plate 1, Local Geology and Well Location Map. Table 1, Water Wells, lists wells located within one mile of the site and available well information.

Natural drainage direction in the area is to the south; however, no runoff enters the landfill from off-site or leaves the site, so that only rain that falls on the site can percolate. Much of the soil used for cover was fine-grained with a relatively low permeability. Additionally, a large portion of the site is paved with asphalt. Therefore, due to lower permeability soils and asphalt, much of the water from precipitation leaves the site by evaporation.



cover is fine grained and relatively impermeable. Since the Waste Discharge Requirements stated that nonwater soluble non-decomposable inert waste be deposited below elevation 655 and that decomposable commercial residential refuse be deposited above that elevation, the site was designed to prevent possible inundation of decomposable waste by ground water. Because the San Fernando Valley is an adjudicated basin, the water demand is expected to continue at current or higher levels, eliminating any potential threat of ground water inundation. Drilling in the refuse indicated that it was dry to moist, and that no free water was present in isolated pockets or lenses perched above the water table. See Appendix E for results of refuse moisture content sampling.

Leachate characteristics at landfills vary widely and no general method has been developed to predict the exact composition which may be produced in a particular fill. In general, leachate in ground water would be expected to increase chloride and other minerals, TDS, COD and alkalinity.

Decomposition of non-hazardous solid wastes in the landfill produces gas that is chiefly methane and carbon dioxide. Methane is generally of little influence on ground water quality. The landfill has an extensive gas recovery system. In general, gas



and for an auto, recreational vehicle, and boat storage yard business.

EFFECT OF SITE ON GROUND WATER

Only non-hazardous solid waste and inert waste were permitted in the landfill. No liquid or hazardous wastes were accepted. Decomposition of non-hazardous solid wastes in landfills produces gas and, where water is present, leachate is also produced. Leachate is liquid that has percolated through solid waste and has extracted, dissolved or suspended material from it.

Ground water would be affected if leachate reaches it; ground water or surface water in contact with non-hazardous solid wastes would facilitate production of leachate. Water quality could also be affected by landfill gas in contact with ground water.

In general, the more water flowing through non-hazardous solid wastes in a landfill, the greater the amount of pollutants that will be leached. However, concentration of leachate depends on dilution and solubility of the waste materials, and decreases with time. There is no indication that any appreciable amount of water has infiltrated the landfill to generate leachate. Rainfall is low, drainage is controlled, and soil used for landfill

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Our study included review of well data at the Los Angeles County Flood Control District office, and a review of published data from the California Department of Water Resources and the California Regional Water Quality Control Board. This report is based on available information from site records, operators, and agency files. No warranty as to the completeness or accuracy of these accounts is made.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geologists practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional advice included in this report.

SITE CHARACTERISTICS

The Hewitt Landfill is located at 7361 Laurel Canyon Boulevard, North Hollywood District, City of Los Angeles, California. The site is owned by CalMat Company, but the landfill was operated by Los Angeles By-Products Company. The site is located in Section 1, Township 1N, Range 15W, in Section 36, Township 2N, Range 15W. The site is shown on Plate 1, Local Geology and Well Location Map. The site has not received refuse since its closure in 1975; the land is currently used for Cal-Mat Self-Storage



also been prepared in accordance with the Solid Waste Assessment Test Guidance document prepared by State Water Resources Control Board dated October 1986.

The additional monitoring work performed thus far for this SWAT program include:

- 1) Construction of one downgradient monitoring well
- 2) Collection and analysis of ground water samples from three monitoring wells, which were obtained during the month of April 1988. A pump with an inflatable packer was employed to insure depth specific samples.

 Analyses are included in Appendix B.
- Construction and installation of two lysimeters for vadose zone monitoring.
- 4) Construction and installation of one leachate well.

For this study we obtained data for wells within a one-mile radius of the site. We also determined the ownership of the wells, the depth of presently existing wells in the vicinity of the landfill, and available background water quality data.



SOLID WASTE ASSESSMENT TEST REPORT - WATER HEWITT LANDFILL

NORTH HOLLYWOOD DISTRICT, LOS ANGELES, CALIFORNIA

FOR

CALMAT COMPANY

PROJECT NO. 58-7057

SCOPE

This report presents the Solid Waste Water Quality Assessment Test - Water (SWAT) for the Hewitt Landfill. This report includes the results of the vadose zone and ground water monitoring program as required by Assembly Bill No. 3525 (Calderon Act). Because there has not been a full year of monitoring since the SWAT proposal was approved (before the SWAT report deadline), we will continue quarterly sampling for the remainder of 1988 and for one quarter in 1989. Submitted with this report are the results of the April, 1988 monitoring.

This program was approved by the Regional Water Quality Control Board (RWQCB) on November 2, 1987. It has been prepared in accordance with the SWAT proposal and related correspondence for the site. The SWAT proposal (our Project No. 58-7057), which was submitted on March 31, 1987 is in the RWQCB file. Related correspondence are included in Appendix A of this report. Site information is included in the SWAT proposal. This report has



CONCI	Hazardous Materials on Site	39 39 39 40				
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4 5	MINEIGIAI Quality objective in the service in the s	37				
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2	Regional Topography					
3	Regional Seismicity					
4	Geologic Sections					
5	Land Use Map					
6	Water Contours, Velocity, and Direction					
7	Retrofit Packer Assembly					
8	DCA Concentration					
9	PCE Concentration					
10	TCE Concentration					
11	TDS Concentration					
12	HCO ₃ Concentration					
13	HO ₃ Concentration					
14	C1 Concentration					
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c.	Well Completion Reports					
D.	Lysimeter Well Logs and Construction Details					
E.	Leachate Well Logs, and Refuse Moisture Content					

Brown



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June 6, 1988

3420 N. SAN FERNANDO BLVD. SUITE 200 **BURBANK, CALIFORNIA 91504** 818-848-0214 PANAFAX 818-848-1674

CalMat Properties 3200 San Fernando Road Los Angeles, California 90065

Project No. 58-7057

Attention: Mr. George Cosby

Gentlemen:

SWAT REPORT FOR HEWITT LANDFILL (CLOSED)

North Hollywood District

City of Los Angeles, California

In accordance with our discussions, we are submitting this Solid Waste Assessment Test - Water for the Hewitt Landfill. This report includes results of site exploration, our interpretation of the data, and our conclusions concerning existing conditions at the site.

If you have any questions, please don't hesitate to call us.

Yours very truly,

LAW ENVIRONMENTAL, INC.

Steve McArdle Staff Geologist

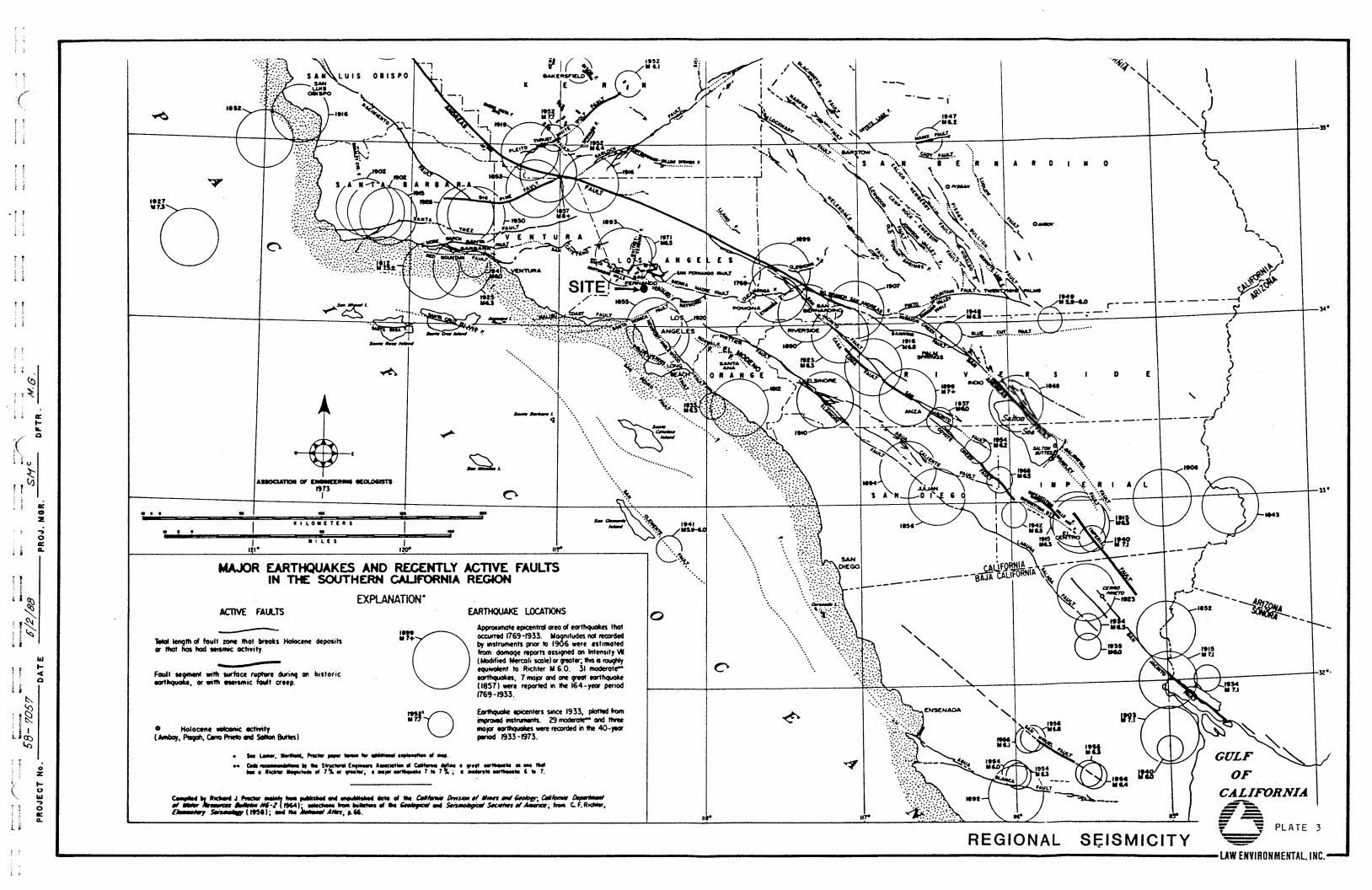
Glenn a E Glenn A. Brown, C.E.G. 3

Senior Vice President

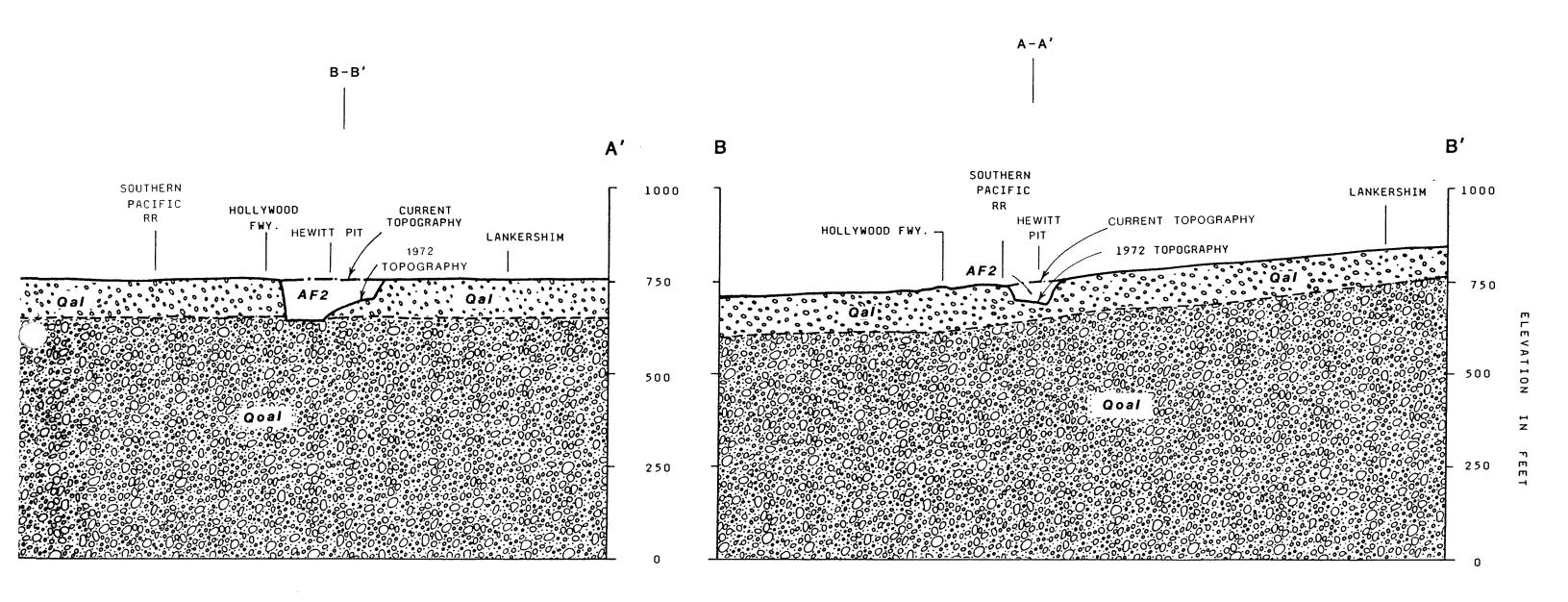
SM/pd (6 copies submitted)

cc: (2) RWQCB

58-



58-



HORIZONTAL SCALE 1"= 2000' VERTICAL SCALE 1"= 250'

FOR EXPLANATION UNITS

GEOLOGIC SECTIONS A-A' AND B-B'



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553 • FAX (818) 795-8579

LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

Alice Campbell
Law Environmental
3420 N. San Fernando Rd., Suite 200
Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO SAMPLE DESCRIPTION, GROUND WATER	SAMPLES	DA	TE SAMPLED
04-054-1 Well #1 (upgradient) 04-054-2 Well #3 (2nd downgradient)			04 APR 88 04 APR 88
PARAMETER	04-054-1	04-054-2	· .
Boron, mg/L	0.39	0.52	
Chemical Oxygen Demand, mg/L	4	<3	
Oil and Grease, mg/L	<5	<5	•
Fluoride, mg/L	0.2	0.2	
Total Organic Halides (TOX), mg/L	<0.08	<0.08	
Aluminum, mg/L	<0.2	<0.2	
Silicon, mg/L	9.3	10	
Antimony, mg/L	<0.3	<0.3	
Arsenic, mg/L	<0.002	<0.002	
Barium, mg/L	0.13	0.25	
Beryllium, mg/L	<0.001	<0.001	
Cadmium, mg/L	<0.02	<0.02	
Chromium, mg/L	<0.04	<0.04	
Cobalt, mg/L	<0.04	<0.04	
Lead, mg/L	<0.002	<0.002	
Mercury, mg/L	<0.0008	<0.0008	
Molybdenum, mg/L	<0.2	<0.2	
Nickel, mg/L	<0.04	<0.04	
Selenium, mg/L	<0.004	<0.004	_
Silver, mg/L	₹0.02	<0.02	•
Thallium, mg/L	<0.2	<0.2	
Vanadium, mg/L	<0.03	<0.03	



BROWN AND CALDWELL LABORATORIES

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 •(818) 795-7553 •FAX (818) 795-8579

LOG NO: P88-04-054

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Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

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LOG NO	SAMPLE DESCRIPTION, GROUND WATER	SAMPLES		TE SAMPLED
04-054-2	Well #1 (upgradient) Well #3 (2nd downgradient)			04 APR 88
		04-054-1	04-054-2	-
B/N,A Ext.F Date Extra Date Analy Dilution F 1,2,4-Tric 1,2-Dichlo 1,2-Dipher 1,3-Dichlo 2,4,6-Tric 2,4-Dinit 2,4-Dinit 2,4-Dinit 2,6-Dinit 2,6-Dinit 2-Chloron 2-Methyl 2-Nitroan 2,4,5-Tri 2-Chlorop 2-Methyl- 3,3'-Dich 3-Nitroan	Pri.Poll. (EPA-625) acted	04/09/88 04/18/88 1 <10 <10 <10 <10 <10 <10 <10 <10 <10	04/09/88	

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LOG NO	SAMPLE DESCRIPTION, GROUND WATER SA	MPLES		TE SAMPLED
	Well #1 (upgradient) Well #3 (2nd downgradient)		-	04 APR 88 04 APR 88
PARAMETER		04-054-1	04-054-2	
4-Chloro-	3-methylphenol, ug/L	<10	<10	
4-Chlorop	henylphenylether, ug/L	<10	<10	
4-Chloroa	niline, ug/L	<20	<20	
4-Methyl	Phenol, ug/L	<10	<10	
4-Nitroph	enol, ug/L	<25	<25	
4-Nitroan	iline, ug/L	<50	<50	
Acenaphth	·	<10	<10	
•	ylene, ug/L	<10	<10	
Aniline,	ug/L	<20	<20	•
Anthracen	· ·	<10	. <10	
	ylhexyl)phthalate, ug/L	<10	<10	
Benzidine		<40	<40	
Benzoic A	• •	<50	<50	
	cohol, ug/L	<20	<20	
	oroethyl) Ether, ug/L	<10	<10	
Bis(2-Chl	oroisopropyl)ether, ug/L	<10	<10	
Bis(2=chl	oroethoxy)methane, ug/L	<10	<10	
	nthracene, ug/L	<10	<10	
	yrene, ug/L	<10	<10	
	luoranthene, ug/L	<10	<10	
, ,	,i)perylene, ug/L	<10	<10	
	luoranthene, ug/L	· <10	<10	
• •	ylphthalate, ug/L	<10	<10	
Chrysene,	• •	<10	<10	
	lphthalate, ug/L	<10	<10	
•	,h)anthracene, ug/L	<10	<10	



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LOG NO S	AMPLE DESCRIPTION, GROUND WATER SAMPLES		DA	TE SAMPLED
04-054-1 W 04-054-2 W	Vell #1 (upgradient) Vell #3 (2nd downgradient)			04 APR 88 04 APR 88
PARAMETER			04-054-2	
Dibutylphtha Diethylphtha Dimethylphtha Dimethylphtha Dibenzofurar Fluorene, ug Fluoranthene Hexachlorobe Hexachlorobe Hexachloroe Indeno(1,2,2 Isophorone, N-Nitrosodi N-Nitrosodi N-Nitrosodi Naphthalene Nitrobenzene	alate, ug/L nalate, ug/L n, ug/L g/L e, ug/L etadiene, ug/L utadiene, ug/L yclopentadiene, ug/L thane, ug/L 3-c,d)Pyrene, ug/L ug/L -n-propylamine, ug/L methylamine, ug/L phenylamine, ug/L e, ug/L e, ug/L e, ug/L phenol, ug/L	<pre></pre>	<10 <10 <10 <10 <10 <10 <10 <10 <10 <10	
Phenol, ug/ Pyrene, ug/		<10	<10	

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Bromoform, ug/L

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Page 5 REPORT OF ANALYTICAL RESULTS DATE SAMPLED SAMPLE DESCRIPTION, GROUND WATER SAMPLES ______ 04 APR 88 04-054-1 Well #1 (upgradient) 04-054-2 Well #3 (2nd downgradient) 04 APR 88 -----04-054-1 04-054-2 PARAMETER ------Vol.Pri.Poll. (EPA-624) 04/14/88 04/14/88 Date Extracted 1 1 Dilution Factor, Times 1 <1 <1 1,1,1-Trichloroethane, ug/L <1 <1 1,1,2,2-Tetrachloroethane, ug/L <1 <1 1,1,2-Trichloroethane, ug/L <1 <1 1,1-Dichloroethane, ug/L <1 <1 1,1-Dichloroethylene, ug/L <1 <1 1,2-Dichloroethane, ug/L <1 <1 1,2-Dichlorobenzene, ug/L <1 <1 1,2-Dichloropropane, ug/L <1 <1 1,3-Dichlorobenzene, ug/L <1 <1 cis-1,3-Dichloropropene, ug/L <1 <1 1,4-Dichlorobenzene, ug/L <1 <1 2-Chloroethylvinylether, ug/L <1 <1 2-Hexanone, ug/L <10 <10 Acetone, ug/L <10 <10 Acrolein, ug/L <10 <10 Acrylonitrile, ug/L .. <1 <1 Bromodichloromethane, ug/L <1 <1 Bromomethane, ug/L <1 <1 Benzene, ug/L <1 <1 Chlorobenzene, ug/L <1 <1 Carbon Tetrachloride, ug/L <1 <1 Chloroethane, ug/L <1 <1



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LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLE	S	DA'	TE SAMPLED
04-054-1 04-054-2	Well #1 (upgradient) Well #3 (2nd downgradient)			04 APR 88 .
PARAMETER		04-054-1	04-054-2	
Dibromochl Ethylbenze Freon 113, Methyl Iso Methyl Eth Methylene Tetrachlor Styrene, o Trichloroe Trichloroe Toluene, o Vinyl Aceo Vinyl Chlo Total Xyle trans-1,2	ane, ug/L coromethane, ug/L coromethane, ug/L coromethane, ug/L coromethane, ug/L coromethane, ug/L coromethane, ug/L coromethylene, ug/L coromethylene, ug/L coromethane, ug/L coromethylene, ug/L	7 <1 <1 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	
trans-1,3	-Dichloropropene, ug/L	<1	. <1	

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Log Number: 88-04-054-1 Sample Description: Well #	l (upgradient)		General Mineral Sampled Date O	-
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3)	21 27 50 290 <0.6	4.8		<1 <1 240 220 53 273
Total Milliequivalents per	Liter ¦	6.9	Iron	1.2
Cations	mg/L	meq/L	Manganese Copper Zinc	<0.02 0.17
Sodium Potassium Calcium (EDTA Titration) Magnesium	30 3 88 13	0.077 4.4	Surfactants (MBAS) Filterable Residue (TDS)	<0.1 320 620 7.8
Total Milliequivalents per	Liter ¦	6.9 ¦		

^{*} Conforms to Title 22, California Administrative Code

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Log Number: 88-04-054-2 Sample Description: Well #	3 (2nd downgrad	lient)	General Mineral Sampled Date (
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3)	48 32 50 510 <0.6	0.77 0.9 1 8.4 <0.02	Bicarb Alk (as CaCO3) Ca Hardness (as CaCO3)	<1 <1 4 3 99 419
Total Milliequivalents per	Liter	11.1	Iron	0.90 0.005
Cations	mg/L	meq/L	Manganese Copper Zinc	<0.02 0.06
Sodium Potassium Calcium (EDTA Titration) Magnesium	50 6 130 24	2.2 0.15 6.5 2	Filterable Residue (TDS)	<0.1 570 960 7.5
Total Milliequivalents per	Liter	10.9		

^{*} Conforms to Title 22, California Administrative Code

Edward Wilson, Laboratory Director

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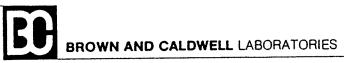
LOG NO: P88-04-554

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REPORT OF ANALYTIC	CAL RESULTS	Page 1
LOG NO SAMPLE DESCRIPTION, GROUND WATER S	AMPLES	DATE SAMPLED
04-554-1 Hewitt 1st Down gradients4909C		26 APR 88
PARAMETER	04-554-1	
Chemical Oxygen Demand, mg/L	<3 <5	
Non-filterable Residue (TSS), mg/L Oil and Grease, mg/L	\5	
Volatile Suspended Solids, mg/L	< 5	
Fluoride, mg/L	0.3	
Total Organic Halides (TOX), mg/L	0.16	
Aluminum, mg/L	<0.2	
Boron, mg/L	0.35	·
Antimony, mg/L	<0.3	
Arsenic, mg/L	<0.002	
Barium, mg/L	0.23	
Beryllium, mg/L	<0.001	
Cadmium, mg/L	<0.0001	
Chromium, mg/L	<0.04	
Cobalt, mg/L	<0.04	
Lead, mg/L	<0.002	
Mercury, mg/L	<0.0008	
Molybdenum, mg/L	. <0.2	
Nickel, mg/L	<0.04	
Selenium, mg/L	<0.02	
Silver, mg/L	<0.02	
Thallium, mg/L	<0.2	
Vanadium, mg/L	<0.03	



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LOG NO	SAMPLE DESCRIPTION, GROUND WATER	SAMPLES	DATE SAMPLED
04-554-1	Hewitt 1st Down gradients4909		06 ADD 00
PARAMETER		04-554-1	
B/N.A Ext.	.Pri.Poll. (EPA-625)		
Date Ext		04/29/88	
Date Anal		05/13/88	
	Factor, Times 1	1	
	ichlorobenzene, ug/L	<10	
	lorobenzene, ug/L	<10	
•	enylhydrazine, ug/L	<10	
	lorobenzene, ug/L	<10	
	lorobenzene, ug/L	<10	
	ichlorophenol, ug/L	<10	
	lorophenol, ug/L	<10	
	thylphenol, ug/L	<10	
	trotoluene, ug/L	<10	
	trophenol, ug/L	<2 5	
	trotoluene, ug/L	<10	
	naphthalene, ug/L	<10	
	naphthalene, ug/L	<10	
	Phenol, ug/L	<10	
	henol, ug/L	<10	
	niline, ug/L	< 50	
2,4,5-Tr	ichlorophenol, ug/L	<10	
2-Chloro	phenol, ug/L	<10	
2-Methyl	-4,6-dintrophenol, ug/L	<50	
	hlorobenzidine, ug/L	<10	
	niline, ug/L	<50	
4-Bromop	henylphenylether, ug/L	<10	
	-3-methylphenol, ug/L	<10	

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LOG NO	SAMPLE DESCRIPTION, GROUND WATER	SAMPLES	DATE SAMPLED
04-554-1	Hewitt 1st Down gradients4909	_	06 455 00
PARAMETER	4 I	04-554-1	
4-Chloro	phemylohenylether, ug/L	<10	
4-Chlore	paniline, ug/L	<20	
4-Methyl	Phenol, ug/L	<10	
	chenol, ug/L	<25 *	
4-Nitroa	eniline, ug/L	<50 .	
Acenapht	thene, ug/L	<10	
Acenapht	thylene, ug/L	<10	
Aniline,	, ug/L	<20	
Anthrace	eme, ug/L	<10	
Bis(2-et	thylhexyl)phthalate, ug/L	<10	
Benzidin	is, ug/L	<40	
Benzoic	Acid, ug/L	<50	
Benzyl A	Alcohol, ug/L	<20	
Bis(2-ch	loroethyl) Ether, ug/L	<10	
Bis(2-Ch	loroisopropyl)ether, ug/L	<10	
Bis(2-ch	loroethoxy)methane, ug/L	<10 ⋅	
Benzo(a)	enthracene, ug/L	<10	
	pyrene, ug/L	<10	
	fluoranthene, ug/L	<10	
	h,i)perylene, ug/L	<10	
, ,	fluoranthene, ug/L	<10	
	zylphthalate, ug/L	<10	
Chrysene	·	<10	
	ylphthalate, ug/L	<10	
	a,h)anthracene, ug/L	<10	
	hthalate, ug/L	<50	
Diethylp	hthalate, ug/L	<10	



Pyrene, ug/L

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REPORT OF ANALYTICAL RESULTS LOG NO SAMPLE DESCRIPTION, GROUND WATER SAMPLES DATE SAMPLED 04-554-1. Hewitt 1st Down gradients--4909C 04-554-1 PARAMETER 04-554-1 **<25** . Dimethylohthalate, ug/L <10 Dibenzofuran, ug/L <10 Fluorene, ug/L <10 Fluoranthene, ug/L <10 Hexachlorobenzene, ug/L <10 Hexachlorobutadiene, ug/L <10 Hexachlorocyclopentadiene, ug/L <10 Hexachleroethane, ug/L <10 Indeno(1,2,3-e,d)Pyrene, ug/L <10 Isophorone, ug/L <40 · N-Nitroscdi-n-propylamine, ug/L <80 N-Nitrosodimethylamine, ug/L <10 N-Nitroscdiphenylamine, ug/L <10 Naphthalene, ug/L <10 Nitrobenzene, ug/L <10 Pentachlorophenol, ug/L <10 Phenanthrene, ug/L <10 Phenol, ug/L <10

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LOG NO	SAMPLE DESCRIPTION, GROUND WATER	R SAMPLES	DATE SAMPLED
04-554-1	Hewitt 1st Down gradients4909	ЭС	26 APR 88
DADAMETER		04-554-1	
Vol.Pri.Po	oll. (EPA-624)		
Date Ext	racted	05/05/88	
Dilution	Factor, Times 1	1	
1,1,1-Tr:	ichloroethane, ug/L	<1	
1,1,2,2-	Tetrachloroethane, ug/L	<1	
1,1,2-Tr:	ichloroethane, ug/L	<1	
	loroethane, ug/L	<1	
	loroethylene, ug/L	<1	
1,2-Dich	loroethane, ug/L	<1	
	lorobenzene, ug/L	<1	
1,2-Dich	loropropane, ug/L	<1	
1,3-Dich	lorobenzene, ug/L	<1	
	Dichloropropene, ug/L	<1	
•	lorobenzene, ug/L	<1	
2-Chloro	ethylvinylether, ug/L	<1	
2-Hexanor	ne, ug/L	<1	
Acetone,	ug/L	<10	
Acrolein,	•	<10	
	trile, ug/L	<10	
	hloromethane, ug/L	<1 .	
	hane, ug/L	<1	
Benzene,		<1	
	nzene, ug/L	<1 .	
	etrachloride, ug/L	<1	
	hane, ug/L	<1	
Bromoform	· -	<1	
Chlorofor	rm, ug/L	<1	

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Total Xylene Isomers, ug/L

trans-1,2-Dichloroethylene, ug/L

trans-I,3-Dichloropropene, ug/L

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<10 -

<1

<1

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DATE SAMPLED LOG NO SAMPLE DESCRIPTION, GROUND WATER SAMPLES ------04-554-1 Hewitt 1st Down gradients--4909C -----04-554-1 PARAMETER <1 Chloromethane, ug/L <1 Carbon Disulfide, ug/L <1 Dibromochloromethane, ug/L <1 Ethylbenzene, ug/L <1 Freon 113, ug/L <1 Methyl Isobutyl Ketone, ug/L <10 Methyl Ethyl Ketone, ug/L <1 Methylene Chloride, ug/L <1 Tetrachloroethylene, ug/L <1 Styrene, ug/L <1 Trichloroethylene, ug/L <1 Trichlorofluoromethane, ug/L <1 Toluene, ug/L <10 Vinyl Acetate; ug/L <1 Vinyl Chloride, ug/L

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Log Number : 88-04-554-1 Sample Description: Hewitt	lst Down gradi	ents4909	General Mineral C Sampled Date 2	•
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3)	1.4 16 32.5 520 <0.6	0.45 0.677	•	<1 <1 430 300 90 390
Total Milliequivalents per	Liter ¦	9.8	Total Hardness (as CaCO3) Iron Manganese	1.3 0.008
Cations	mg/L	meq/L	Copper Zinc	<0.02 0.03
Sodium Potassium Calcium (EDTA Titration) Magnesium	43 5.0 120 22		Surfactants (MBAS) Filterable Residue (TDS)	520 810 8.00
Total Milliequivalents per	Liter ¦	9.8 ¦		

^{*} Conforms to Title 22, California Administrative Code

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Manager Manager of Sand

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Results in mg/l unless otherwise indicated Date Taken Dom Noc'd Coincre Semale No Description Janns Well 4897) 5-1322 cus 5-1-85 5-1-85 McBride Well L4899 c-1323 2-4 Channahape JUL 10 1985 5-132D Sample No. 2-1323 Date Dete Phenols (ppb) Anal 485 Total Solids Suspended Solids 2.4 0.3 304 480 Dissolved Solids Oil and Grease Total Hardness CaCO) 232 778 MPN/ml-Tot. Coliform MPN/ml-Fecal Coliform JJ 60.01 10.07 86/01 Lead (Pb) 178 60.002 1.Til 60002 Çadmium (ca) 40.0 ×di Manganese (Mn) Çyanide (CN) 7/2 F.C (Br -) Bromide < 0.01 0.32 (0.003 S/1 Selenium (Se) (0.03 Lodide (I^-) 0.52 0.02 Barium (Ba) 20.1 4-0.3 Zinc (Zn) (0.01 10.0> Gopper 5/14 هزاد 0.01 (Cu) 10.01 Silver (Ag) (0.01 60.01 R. K. KILPILLATO Mercury-mcg/litre(Hg) Total Chromium
Hexavalent Chromium+65/ 6.01 10.01 JUL 11 1985 <.003 <.003 Boron (B) .37 0.42 (Fe) Iron 1.45 0.01 Aluminum (A1)0.01 0.00 Arsenic (As) (0.01 <0.01 Nickel 10.01 Z0.01 (Ni) REMARKS: Return Results to

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PURGEABLE ORGANIC ANALYSES · (Volatiles)

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· ichloropropane ·	ug/1	34541	מנאו ו ו	1 1 101.15
:-1.3-Dichloropropene	ug/1]	34704	1 1 1 4 N 1 D	11101.15

CEABLE OPCANIC ANALYSIS (CORE)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		IVEES	DLTECTION
	KEIOKIINO	STORET	MIMLYSES RESULTS	LIMIT
CONSTITUENT	UNITS	CODE		
np3-1,3-Dichloropropene	υg/ 1	34699	μD	11101.12
	ug/1	34371	1 1 1010	11101.151
h 1 tenzene	. ug/1	34423	I I I INID	1 101.151-
thylene chloride	ug/1	81595	1 1 1 1 1 1 1 2	1 1 1 1 . 10
t yl Ethyl Ketone		03506	1 1 1 1 1 1 7	1 1 1/1.10
thyl Isobutyl Ketone	ug/1	81596	1-1-1-1-1	
2,2-Tetrachloroethane	· ug/1_	34516	111140	1 1 101 · 15
	ug/1	34475	1 12101.15	1 1 101 · 15
trachloroethene	ug/1	34010	1 1 1 1 1 1 2	1 1 101 .11
ene	ug/1	34506	1 1 1 1 10 0	1 1 101.15
1,1-Trichloroethane	· · ug/1	34511	1 1 1010	1 1 101.15
2-Trichloroethane	ug/1	39180	I I I DID	1 1 101 .15
ichloroethene	ug/1	34488	פוען ו ו ו ו	1 1 101.15
hlorofluoromethane	υg/1	39175	1 1 1 1 1 1 1 2	1 1 101.15
nyl chloride	ug/1	81551	פועו ו ו ו	11101.11
r Enes				
Note any unidentified peaks	below .		. 0	
1 loroxicuin	ugh		μD	
1200	ugle		ND	5.70
The state of the s	ual.		ND	19.3
cie 1, 2 dichersett ene	The	•	νŋ	· D.
cia 1, 2 aichlosera ene	- Spe			•

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O. J.: ROGERS

JAN 15 1995

PURGEABLE ORGANIC ANALYSES (Volatiles)

	· (VOLAT	ILESI		
~dORATORY	REPORT PRI	EPARED		DATE OF
IAME: DWP-water Quality	BY: (SIGN)	ATURE) JE B	ordey	REPORT: 1-10-85
TEM		•	0	NUMBER: 05 437
TELL NAME			STATE WELL	
O/OR NUMBER:			NUMBER:	
SAMPLING POINT: Me Bride	(1808)			
	(7070)	SAMPLER		
PLER: Peter R.		EMPLOYED	BY: DWP	·
PATE/TIME	DATE/TIME SAM	PLE	DATE A	NALYSES
SAMPLE COLLECTED: 12-20-84	RECEIVED @ LA		the constitue	
LIST METHODS: GC/MS			elow guantifie	
CONSTITUENT	REPORTING	STORET	ANALYSES	DETECTION
-	UNITS	CODE	RESULTS	LIMIT
lenzen e	ug/1	34030	1111110	1 1 101.11
3 pmodichloromethane	ug/1	32101	111010	1 1 io1.15
3. Smoform	ug/1	32104	1111010	1 1 1/1 10
' nomethane	ug/1	34413	LILIVID	-11101.15
on tetrachloride	ug/1	32102	Juli II	1 1 101.15
hlorobenzene	ug/1	34301	1 1 1 1 1 1 1 1 1 1 1	1 1 101.11
loroethane	ug/1	34311	111110	1 1 101.15
-Chloroethylvinyl ether	u g/1	34576	1 1 1 1 1 1 1 1	1 1 131.10
loroform	ug/1	32106	לוען ו ו	1 1 101.15
Thloromethane	ug/ 1	34418	1 1 1 1010	1 1 101.15
5 (2-Chloroethyl) ether	. ug/1	34273	1111111	£ }
)ıpromochloromethane	ug/1	32105	1111010	1 1 1/1.10
?-Dichlorobenzene	u g/1	34536	1 1 1 1 1 1 1 1 1	1 1 101.15
_3-Dichlorobenzene	u g/1	34566	1 1 1 1 1 1 1 1 1	1 1 101.15
.4-Dichlorobenzene	u g/1	34571	1 1 1 1010	1 1 101.15
chlorodifluoromethane	ug/1	34668	1111111	1 14101.1
,1-Dichloroethane	· ug/1	34496	1111110	1 1 101.15
?-Dichloroethane	ug/ 1	34531	1 1 1 1 1 1 1 1	1 101.15
,1-Dichloroethene	ug/1	34501	1 1 1 1 1 1 1 1 1	1 1 101.15
ins-1,2-Dichloroethene	ug/1	34546	ND	1 1 101.15
-Dichloropropane	ug/1	34541	[ען און ו	1 1 101.15
1 3 - Dichloropropene	ug/1	34704	1 1 1 1010	1 1 101.15

				Page 2 of
FABLE ORGANIC ANALYSES (Conti	REPORTING	STORET	Analyses	DLTECTION
CONSTITUENT	UNITS	CODE	RESULTS	LIMIT
s-1,3-Dichloropropene	ug/1	34699	IIINID	11101.15
hyl benzene	ug/1	34371	DIULI	1 101.15
hylene chloride	. ug/1	34423	1 1 1010	1 101.15
thyl Ethyl Ketone	ug/1	81595	1111010	1 1/101.1
hyl Isobutyl Ketone	ug/1	81596	1 1 1010	1 1 131.10
	ug/1	34516	111100	1 1 111.10
,1,2,2-Tetrachloroethane	ug/1	34475	1111110	1 1 101 . 15
rachloroethene	ug/1	34010	JI I INID	1 1 101 .11
n.l-Trichloroethane	ug/1	34506	1 1 1 1010	
,2-Trichloroethane	· ug/1	34511	11110	
#ichloroethene	ug/1	39180	IIIINIP	
chlorofluoromethane	ug/1	34488	I I INID	
	ug/1	39175	1 1 1 1 1 1 1 1 1 1 1	
inyl chloride	ug/1	81551	1 1 1 NID	1 1 101.11
Note any unidentified peaks				
Note any unidentified peaks	-1		NI	5.0
Morspierin	ugli	•	וֹט	
DBCP	right			
		•		•
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MAR 3 i 1986

MAR 2 6 1986

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PURGEABLE ORGANIC ANALYSES · (Volatiles)

MAR 2 6 1985.

Shiriey Cherig

BURATORY	REPORT PRE	ARED	0	DATE OF 20-86
ME: DWP- water Quality	BY: (SIGNAT	TURE) Je	ordey	REPORT: 9-24-86
! 'EH				NUMBER: 05836
1_:			STATE WELL	
ILL NAME			NUMBER:	
OR NUMBER:	(((0)			
PIPLING POINT: Janss Well	(4897)	SAMPLER		
FOF		EMPLOYED	BY: DWP	
PLER: JGD	DATE/TIME SAM	DI.P	DATE A	ENALYSES 3-14-86
STE/TIME SUPLE COLLECTED: 3-11-86	RECEIVED & LA	B: 3-//- }		
STATE CORPORATION			the constitue	
EST METHODS: 624 GC/MS	REPORTING	STORET	ANALYSES	DETECTION -
CONSTITUENT	UNITS	CODE	RESULTS ·	LIMIT
-		34030	1 1 101 . 1 /	1 1 101-11
enzene	ug/1	•	1 1 1 1 1 1 1 1 1	
r modichloromethane	ug/1	32101		
romoform	ug/1	32104	$ \mathcal{U}_{1} $	
romethane	ug/l	34413		
on tetrachloride	ug/1	32102	1 1 1 1 1 1 1 1 2	1 1 101 - 15
	ug/l	34301	1111111	1 1 101 11
hlorobenzene	u g/l	34311		1 1 101.15
I toroethane	ug/1	34576	1 1 1 1 1 1 1 1 1 1 1 1 1	11101.15
2-Chloroethylvinyl ether	ug/1	32106	نام ر ر ر	11101.15
loroform	ug/1	34418	1 1 1 1 1 1 1 1 1 1 1	1 1 101-15
Thloromethane		34273	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
b в (2-Chloroethyl) ether	ug/1	•	1111111	
Dibromochloromethane	ug/1	32105		
1 2-Dichlorobenzene	ug/1	34536	11111111	
1,3-Dichlorobenzene	u g/1	34566	I I I IU II	
1.4-Dichlorobenzene	ug/1	34571	1 1 1 1 1 1 1 1 1 1 1 1	
I chlorodifluoromethane	ug/1	34668	111111	
1,1-Dichloroethane	· ug/l	34496	IIII	
2-Dichloroethane	ug/l	34531		1
1,1-Dichloroethene	ug/1	34501	1 1 1 11/1	
trans-1,2-Dichloroethene	ug/1	34546	1 1 1 1 1 1 1 1 1 1 1 1	1
) ^-Dichloropropane	u g/ 1	34541	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
-1.3-Dichloropropene	ug/1	34704	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 101.15

		RESULTS	LIMIT
υg/1	34699	1 1 1 1010	11101.12
ug/1	34371		1 101.15
. ug/1	34423	IIINID	1 101.15
ug/1	81595	I I IND	1 1 151.10
ug/1	81596	I I I I I I I I I	111110
ug/1	34516	111100	1 1 101 · 15
ug/1	34475	IIIIND	1 1 101.15
ug/1	34010	1 1 101.17	11/01/11
ug/1	34506	1 1 101.19	1 1 101 · 15
	34511	1 1 1 1 1 1 1 1	11101.15
	39180	1 1 1 1010	1 1 101-15
	34488	IIIMD	1 101.15
	39175	111142	1 1 101.15
	81551	1 1 1 110	11101.11
	ug/1 ug/1 ug/1 ug/1 ug/1	ug/1 34423 ug/1 81595 ug/1 81596 ug/1 34516 ug/1 34475 ug/1 34010 ug/1 34506 ug/1 34511 ug/1 39180 ug/1 34488 ug/1 39175	ug/1 34423

is 1, 2 dichloroethere	ng/L	. NO	.0:5
123 Triclorograpane	ugle	ND ·	0.5
			·

FEB 19 1986

FEB 1 8 1500

u. J. Nugers

Shirtey Cherry

PURGEABLE ORGANIC ANALYSES : (Volatiles)

1-3 1: 1985

· (VOLATILES)										
	?	DATE OF								
RATORY	REPORT PREPA BY: (SIGNATU	RE) Je	ordey	REPORT: 2-18-86						
! Dwf- water Quality	1 811 (81		U	NUMBER: 05784						
1	•		STATE WELL	NOTELR: 03731						
			NUMBER:	•						
, NAME	•		NU.BLK.	•						
R NUMBER:										
I.IPTION OF Sheldon Orlet	~ 4847	SAMPLER		•						
DING POINT		EMPLOYED	BY: DWP							
E OF FER: J. Dobrowstski E/TIME	DATE/TIME SAMPI	LE		ANALYSES LETED: 2-/3-82						
E/TIME Alu /0.	RECEIVED & LAB	I - I	the constit	uents .						
E/TIME 1 E COLLECTED: 2/11/80		I Were all	elow quantif	ied?						
621 GC/MS		STORET	ANALYSES	DETECTION						
T METHODS: 624 GC/MS	REPORTING	CODE	RESULTS	LIHIT						
CONSTITUENT	UNITS		1 121 12	1 1 101.11						
· ·	ug/1	34030		D 1 1 101.15						
izene	ug/1	32101								
odichloromethane	ug/1	32104	μ	10 1 1 121.15						
omoform		34413	1 1 1 10	17-11101.15						
	ug/l			101.15						
c ethane	ug/1	32102	1							
room tetrachloride	ug/l	34301	11112							
Probenzene	ug/1	34311	11111	11 1 101.15						
Corpethane		34576	1 1 1 12	1011101.15						
-Chloroethylvinyl ether	ug/1			10 110,15						
	ug/1	32106								
1 oroform	ug/1	34418	1111							
nloromethane	ug/1	34273	1111	10 1 1 151.10						
i (2-Chloroethyl) ether		32105	1	010 1 1 101.15						
ibromochloromethane	<u>uq/1</u>			16 1 1 101-15						
	ug/1	34536								
!-Dichlorobenzene	ug/1	34566								
,3-Dichlorobenzene	. ug/1	34571	11/181	1 1 101.15						
1-Dich orobenzene			1 , , , ,	ND 11121.10						
ouchlor@difluoromethane	ug/1	34668	_							
	. ug/l	34496		6.4						
l 1-Dichloroethane	ug/1	34531		NID 1 1 101.15						
1,2-Dichloroethane	ug/1	34501		UID 1 1 101·12						
1.1-Dichloroethene				NIE 1 1 101.15						
t ans-1,2-Dichloroethene	ug/1	34546								
•	u9/1	34541								
1 Dichloropropane	ug/1	34704	1111	ND 1 1 101.15						
(s-1.3-Dichloropropene		•								

	41			
EARLE ORGANIC ANALYSES (Conti	REPORTING	STORET	ANALYSES	DETECTION LIMIT
CONSTITUENT	UNITS	CODE	PESULTS	
3-1,3-Dichloropropene	09/1	34699	1 1 101D	
	ug/1	34371	1131.14	1 101.15
hyl benzene	. ug/1	34423	1 1 1 1012	1 101.18
ylene chloride	· ug/1	81595	שועו ו ו ו	1 151.10
enyl Ethyl Retone	ug/1	81596	עועו ו ו	1 1 1/1.10
yl Isobutyl Ketone		34516	I I I I I I DI D	1 1 101 - 15
2,2-Tetrachloroethane			I I I IUIP	1 101.5
tachloroethene	ug/1	34475	1 1 1 1 1 1 1 1 1 1	1 101 111
sene	ug/1	34010	1 12171.1	
7,1-Trichloroethane	ug/1	34506	םועו ו ו ו	
2-Trichloroethane	; ug/1	34511	I I I I I I D	
_	ug/1	.39180 .	1111110	1 101.15
ichloroethene	υg/1	34488	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 101.15
chlorofluoromethane	ug/1	39175 .	בוען ו ו ו	1 1 101.15
inyl chloride		81551	1 1 171.10	11.101.11
enes	ug/1			
المسترقي المستركة والمتناف والمتراث والم والمتراث والمتراث والمتراث والمتراث والمتراث والمتراث والمترا	· · · · · · · · · · · · · · · · · · ·			
2 dichlosethere	· ng/	<u>L</u>	. PD	
is 1, 2 dichlosoethere 1, 2, 3 trichlosopropane	ua	le	μD	0.5
1 2 5 promagagas	81	,-		•
		•		
	•			:

WATER QUALITY DIVISION REPORT OF WATER ANALYSIS

(Chemical Results in Part , Per Million)

O. J. ROGERS

1	ple No	Dale Taken	Date Rec'd		ector					Descrip			4 1884	
3	,00	4-24-34	4-24-34	D	P6	1	inns icks	W.	د ا ا	No.	4897			···
	,01	1,	"		<u> </u>	W	icks	مرسا	:11	No.	4897A			
_														
				1		I	30	ſ						
71		Sample No.	,	Date	1300	Date	1301	Date		Date		ale		Date
		tivity, µmhos/cm	1	Anai	4:2	Anal	499	Anal		Anal		inel		Anal
	pH, Fiel			WA	6.5	4/2	6,35							
1	pH, Lab			7/24 F &	7.05	4/2 1 0			•					
		ature * C, Field		44- 0	16.5	-1/29	15		1			\dashv		
		ature * C, Lab.		47-4 PS	-3.9	₽6 P6			,			-		
	Calcium			╂	43	\vdash	5.3	-	1			\dashv		
_		ium (Mg)	^		12	-	1	-	,					\vdash
/	J	ardness as CaC	O3	41.7	15 j. 16	-	30	-	√			\dashv		\vdash
_	Sodium			27		:. -	3 10	-				\dashv		
	Potassi	niu (v)	Field		142.5	1	2.6 217.5	+-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			-		$\vdash \vdash$
تغر	Alkalini	ty as CaCO. (T		-	174.3	1	<u> </u>	\vdash	/			-		
	Sulfate	(504)		1: -	75.6	F	7.5	-	1			1		
/	Chlorid			1	12	+	15		1			寸		
_	Siiica (5,16	L C	1	61		1					
	Iron (F			3/i		1.	1,23		1				····	
	Boron			F	5.57	1:,-	4.5		\ \ \		·	1		
_	Fluorid			1,2	(.73	1	6.27	1	1					
· /	Nitrate			12.7%		123		1	1					
<u>.</u>	- Nitrite			1/2	2,03	4/24			1					
_		nia (NH ₃)		4/:-	51.3	4: A		Ī	1					
,	Total K	jeldahl Nitroge	n (N)	22	C.38:	 	C.175		1	·				
1	Phospi	nate (PO ₄)		1:1	5.15	4 :4		1	·					
, _	Synder	s (Apparent LA	S)	ic.	< C3	1	<.35	1					-	
7	1-10	5		يو ت 1 تر		4.5. F. J	328	\prod	1		R	. K	KURIMOTO	
	CC	o (Fic	12)		17		24		✓			IAY	14 1984	
	1	ي دن المعان			1.6		2,5		1		1	ואו	1 1 100	
	7,	~pir. De	والم											
	54		fer (asing						<u> </u>					
_			mpol					\perp	<u> </u>		ļ			
							<u> </u>							

Chirley Wieng

MAY 20 1985

PURGEABLE ORGANIC ANALYSES · (Volatiles)

•	REPORT PREI	PARED			DATE OF
ORATORY 200 Tea Quality	BY: (SIGNAT	TURE) F	ndey		REPORT: 5-16-8
ME: DWP- Water Quality	-			ı	NUMBER: : 05 706
(TEM			C		NUMBER: 103 706
ELL NAME	•		STATE WE	LLL	
IT/OR NUMBER:			NOTE LA.		
CRIPTION OF Janns 18	97				
CPLING TOXIC		SAMPLER			•
A PIER: CW Spangenberg	•	EMPLOYED			
A PLER: (W Spangenturg) ALE/TIME	DATE/TIME SAM	PLE	Di	ATE AL	NALYSES
LYPLE COLLECTED: 5-1-85	RECEIVED @ LA	B: J - 183	the const	HILLE	TED: 5-6-85
		· listed b			
E-T METHODS: 624 GC/HS	REPORTING	STORET	ANALYS		DETECTION
CONSTITUENT ·	UNITS	CODE	RESULT	s .	LIMIT
-	ug/1	34030	1110	1.12	11101.11
enzene	ug/1	32101 .		$ \nu _{\mathcal{D}}$	1 1 101.15
r modichloromethane	ug/1	32104	1 1 1	$\nu_{I^{\mathcal{D}}}$	1 1 101 - 15
r_moform	ug/1	34413	1 1 1	NID	-1 1 101.15
rrmomethane	ug/1	32102	1 1 1	INID	1 1 101.15
a bon tetrachloride	ug/1	34301	1 1 1	$\mu_1\mathcal{P}$	11101.11
hlorobenzene	ug/1	34311	1 1 1	1110	1 1 101.15
1 oroethane	ug/1	34576	1 1 1	INID	1 1 101.15
-Chloroethylvinyl ether	ug/1	32106	1 1 1	NID	1 1 101.15
1 oroform	ug/1	34418	iıı	NID	1 1 101.15
hloromethane		34273		INID	1 1.1101.1
(2-Chloroethyl) ether	. ug/1	•	<u> </u>	1410	1 1 1/1.10
ibromochloromethane	ug/1	32105			
?-Dichlorobenzene	ug/1	34536	1 1 1	1012	1 101.15
.3-Dichlorobenzene	ug/1	34566		1010	
1-Dichlorobenzene	ug/1	34571 '		INID	1 101.15
::hlorodifluoromethane	ug/1	34668		InlD	1 1/101.1
,1-Dichloroethane	· ug/1	34496		IND	1 101.15
?-Dichloroethane	u g/1	34531	111	IUID	1 101.15
,1-Dichloroethene	ug/1	34501		INID	1 1 101.12
:: \ns-1,2-Dichloroethene	<u>ug/1</u>	34546	1111	$\mu_1 \mathcal{D}$	1
2- Dichloropropane .	ug/1	34541	1 1 1	1010	1
: 1-1,3-Dichloropropene	ug/1	34704		1 N D	11101.15

FEABLE ORGANIC ANALYSES (Con	tinued)		•	
	Reporting	STORET	ANALYSES	DLTECTION
CONSTITUENT	UNITS	CODE	KESULTS	LIMIT
b-1,3-Dichloropropene	ug/1	34699	0 141 1	1 101.15
benzene .	. ug/1	34371	111010	1101.15
Tyrene chloride	. ug/1	34423	1 1<101.15	1 101.15
.yl Ethyl Ketone	υg/1	81595 -	I I UID	1 1 1 1 1 1 1 0
: Yl Isobutyl Ketone	ug/1	81596	פוער וו	1 111.10
1,2,2-Tetrachloroethane	· υg/1	34516	1111010	1 1 101 · 15
trachloroethene	ug/1	34475	11100	1 1 101 · 15
l ene.	ug/1	34010	עועו ו ו	1 1 101 -11
1,-1-Trichloroethane	ug/1	34506	014110	1 1 101.15
1 2-Trichloroethane	ug/1	34511	I I INID	1 1 101.15
ichloroethene	ug/1	.39180		1 1 101 .15
i hlorofluoromethane	ug/1	34488		1 101.15
nyl chloride	• vg/1	39175	1 1 1010	1 1 101.15
1 nes	ug/1	81551	1 1 1 1 1 1 1 1	1 1 101.111
Note any unidentified peak	s below .			
Coroxicum	ugh		ND	5.0
BCP	ug!		ND	5.0
3 Trichboo esopon	e uala		GN	0.3
20 1, 2 dichloweth en	e mele	•	υD	0.5

emple No	Date Taken	Date Rec'd	Col	lector					escript			r	
1322	5-1-85	5-1-45	a	NS	Ja	nns W	<u>e1</u>	1489	1)			-anapahete	
1327	11	, (11	Me	Brite 1	(<u> </u>	8)		UL	1 0 1985	
										1			
	Sample No.		5.	-1322	S	-1323							
			Date Anal		Dete Anal	,	Date Anel		Dele Anal	1	Date Anal		Date Anal
Tempe	rature	C Field											
	rature		5/1	24		24							
	dity (37		5/	36		0.8						•	
		nt Unit	37.1	70+		3		•					1
	(Thresho		TW	Ep2.0		Ch 1.4							<u> </u>
pH (F		<u> </u>											<u> </u>
pH (I			17,	7.3		7.3						•	
		t. Cond	.[=4]	287		704		·					_
Pros													<u> </u>
700 (Tahl		5/1	2.1		4.8							<u> </u>
	Field)												1_
BOD			5/6	6.6		5.0							<u> </u>
COD			5/7	13,		23	<u> </u>						
soc			4:5	1.3	<u></u>	1./	<u> </u>	20.00					1-
	alinity						<u> </u>		1 1				—
Tota	i Alkali	nity	3/1	220		323	<u> </u>		igspace				-
DHydr	oxide(as	caco,)	5/,			0					<u> </u>		╀
Carb	onate (a	s CaCO ₃) 2/,	0		0			$\bot \bot$				-
		as CaCO.	1 /	3.70		320	<u> </u>		1		l	URIMATA -	┼
	ride (Cl	•	54	100		(1)		<u> </u>	1 1		l		+-
	ate (SO		5/2	રૂ૩	F, 'c				$\perp \perp$	Jl	<u> </u>	0 1985	-
	phate (F		:/-	0.05	1.1.	0			1_1		<u> </u>		-
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J. Pats	ssium (X	- 1	E/J C-	3.2	زر: ا	5.4	1					<u></u>	

PURGEABLE ORGANIC ANALYSES · (Volatiles)

	. (ADCALLE	_LJ/			
No. of	REPORT PREPA	ARED	0	DATE OF	
BORATORY	BY: (SIGNATI	Bordey	REPORT: 5-28		
NAME: DWF- water Quality					
SYSTEM CONTRACTOR				NUMBER: 05/0	
ME:			STATE WELL		
WELL NAME			NUMBER:		
AND/OR NUMBER:					
EXCRIPTION OF LIPPLING POINT: Wicks Well		SAMPLER			
WE OF		SAMPLER EMPLOYED	BY: DWP	_	
AMPLER: JGD	DATE/TIME SAMP		DATE	analyses	
ATE/TIME	RECEIVED @ LAB	: 5-7-80	COMPL		
SAMPLE COLLECTED: 5-7-86	ALLET C	Were all	the constitu	ents	
	•		elow quantifi	ed? YCS	
EST METHODS: 624 GC/MS	REPORTING	STORET	ANALYSES	DETECTION LIMIT	
CONSTITUENT	UNITS	CODE	RESULTS		
	ug/1	34030	11101.1		
enzene	ug/1	32101	$ \mathcal{L} $	D 1 1 101.15	
Bromodichloromethane	ug/1	32104		0 1 1 191 · 15	
romoform	ug/1	34413	1111111	0-11101.15	
Bromomethane		32102	1 1 1 12/13	11101.15	
bon tetrachloride	ug/1	34301	1 1 1 ν		
Chlorobenzene	ug/1	34311	1 1 101		
Thloroethane	ug/1	34576	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
2-Chloroethylvinyl ether	ug/1	32106	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	^ (
Thloroform	ug/1		1 1 121		
Chloromethane	ug/1	34418		_	
bis (2-Chloroethyl) ether	ug/1	34273	 		
Dibromochloromethane	ug/l	32105	$\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$		
1.2-Dichlorobenzene	ug/1	34536	1		
1.3-Dichlorobenzene	ug/1	34566	$\frac{1}{1}$	T /	
1,4-Dichlorobenzene	ug/1	34571	1 1 1 9 1 1		
Dichlorodifluoromethane	ug/1	34668	111111111111111111111111111111111111111		
1,1-Dichloroethane	· ug/1	34496	1 1 101		
1,2-Dichloroethane	ug/1	34531	111111	1 -	
1,1-Dichloroethene	ug/1	34501	111111	. /	
trans-1,2-Dichloroethene	υ9/1	34546	$\frac{1}{1}$		
	u 9/1	34541	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1	
1.2-Dichloropropane	±	34704			

PROCEANLE ORGANIC ANALYSES (Cont.)	nucål			: Page
	REPORTING	STORET	Analyses	DETECTION
CONSTITUENT	UNITS	CODE	PESULTS	LIMIT
gans-1,3-Dichloropropene	ug/1	34699	IND	1 101.15
hyl benzene	ug/1	34371	IIINID	1 101.12
ethylene chloride	. ug/1	34423	IIID	1101.1
hyl Ethyl Retone	ug/1	81595	1 1 IVID	1 151.10
ethyl Isobutyl Ketone	ug/1	81596	IIIVID	1111.10
,2,2-Tetrachloroethane	ug/1	34516	DIUID	1 1 101 · 15
	ug/1	34475	قالاا ا	1101.15
etrachloroethene	ug/1	34010	סוטו ו ו	1110111
vene	ug/1	34506	ILIUD	1 1 101 · 15
,1,1-Trichloroethane	: ug/1	34511	INDID	1 1 101.15
,2-Trichloroethane	ug/1	.39180	לועו ו ו	1 101-15
richloroethene	ug/1	34488	IIIID	1 101.15
chlorofluoromethane	υg/ 1	39175 .	111110	1 1 101.15
inyl chloride	ug/1	81551	1 1 1 1110	11101.11
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1. 2 dichlorocthere	· ng/		. <i>VD</i>	.0:5
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11	01'			•
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	•			;
				;

JEFF DOBROWOLSKI

MAR 3 1 1985

O. J. ROGERS

MAR 26 1900

3-28-20

MAR 2 6 1386

PURGEABLE ORGANIC ANALYSES

· (VOLATILES)

Shiriey Chelik DATE OF

•	(TOLATTE			DATE OF
	REPORT PREPA	RED		REPORT: 3-24-82
DRATORY DATE Ought	BY: (SIGNATU	RE) Je	waey	
ME: DWP- water Quality		•	v	NUMBER: 05838
1 TEM			STATE WELL	
E: ELL NAME			NUMBER:	
rn/or number:				
CRIPTION OF	10970			
AMPLING POINT: Wicks Will	70117	SAMPLER	210	
THE OF		EMPLOYED	BY: DWP	· · · · · · · · · · · · · · · · · · ·
PLER: JGD	DATE/TIME SAMPL	æ .	DATE	ANALYSES ETED: 3-17-82
DATE/TIME	RECEIVED @ LAB:	3-11-X	the constitu	
EXPLE COLLECTED: 3-11-80		Mere all	elow quantifi	ed? 900
ST METHODS: 624 GC/MS	·	STORET	ANALYSES	DETECTION
ST LETHOSE .	REPORTING UNITS	CODE	RESULTS	. LIMIT
CONSTITUENT			1 1 101.1	7 1 101.11
	<u>ug/1</u>	34030	1 1 101	
E-nzene	ug/1	32101	$111P_1$	
Promodichloromethane	ug/1	32104	111011	8 1 1 121 · 15
: Onioform	ug/1	34413	1111111	p-1101.15
Br Thomethane	ug/1	32102	I I I IV	7 1 1 101.15
on tetrachloride		34301	1 1 101/1	2 1 1 101-11
Chlorobenzene	ug/1	34311	1 1 10 1	
lloroethane	ug/1	34576	11111	- 1
2-Chloroethylvinyl ether	ug/1		ν	
nloroform	ug/1	32106	1 1 1 10	
chloromethane	ug/1	34418	1111	
is (2-Chloroethvl) ether	ug/l	34273	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ibromochloromethane	uq/l	32105		
1,2-Dichlorobenzene	ug/1	34536	111/10	
.3-Dichlorobenzene	ug/1	34566	1111	
1,4-Dichlorobenzene	ug/1	34571	11171.	
	ug/1	34668	_	D 1 121·10
Dichlorodifluoromethane	· ug/l	34496	1 1 1 10	
1,1-Dichloroethane	ug/1	34531	111111111111111111111111111111111111111	10 1 101.15
. 1,2-Dichloroethane	ug/1	34501	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	101.12
1,1-Dichloroethene	ug/1	34546	1111	IP 1 101.15
trans-1,2-Dichloroethene	ug/1	34541	11111	1D 1 1 101.15
) ?-Dichloropropane	ug/1	34704	11111	ID 1 1 101.12
s-1,3-Dichloropropene	<u>.</u>			

continue and the second	nued)			. 1600 6 0
TGEAPLE ORGANIC ANALYSES (Conti	REPORTING	STORET	ANALYSES	DETECTION LIMIT
CONSTITUENT	UNITS	CODE	FESULTS	
r[ns-1,3-Dichloropropene	ug/1	34699	1111110	11101.12
tuyl benzene	ug/1	34371	1 1 1 DD	1 101.15
	, ug/1	34423		11101.15
hylene chloride	ug/1	81595	111111	1 1 151.10
elhyl Ethyl Retone	ug/1	81596	מוען ווו	111/1.10
athyl Isobutyl Ketone	ug/1	34516	1 1 1 1/12	1 1 101 · 15
,2,2-Tetrachloroethane	ug/1	34475	I I I IVIP	1 1 101.15
etrachloroethene		34010	1 1 1 1212	
vene	ug/1	34506	1 1 1 1 1 1 2	1 101.15
,1,1-Trichloroethane	υ g/1	<u> </u>		1 101.15
,2-Trichloroethane	. ug/1	34511	1110116	
'richloroethene	ug/1	39180	1 1 1 1 2	
chlorofluoromethane	ug/1	34488	1 1 1012	T 1
inyl chloride	ug/1	39175		
	υ 9/1	81551	111111	11101.11
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lis 1, 2 dichorothere	/	<u> </u>		0.5
1, 2, 3 triclorograpane	- ug/	<u>,e </u>	~ ~ ~	
1		•		
				•

JAN 09 1985

O. y. RÜĞERS JAN 07 1985

PURGEABLE ORGANIC ANALYSES (Volatiles)

LURATORY	REPORT PR	EPARED		DATE OF		
ME: DWP- Water Quali	ty BY: (SIGN	ATURE) J.J.	Bordey	REPORT: 12-18-84		
: :EM	J	•	d			
1.2:			-	NUMBER: 05415		
ILL NAME			STATE WELL			
OR NUMBER:			NUMBER:			
MPLING POINT: Wicks whi	1 4897 A					
J ? OF	~ <u> </u>	SAMPLER				
MPLING POINT: Wicke who JOSER: CW Scangeling TECTIME		EMPLOYED	BY: Dup			
IL/ TIPLE	DATE/ILLE SK			NALYSES		
Marte Collected: 12-13-84	RECEIVED @ L.	AB: 12-12-1				
ST METHODS: GC/HS			the constitue			
ST METHODS: CC/143	REPORTING	STORET	elow quantifie			
CONSTITUENT	UNITS	CODE	RESULTS	DETECTION LIMIT		
	/>	24020				
nzene	ug/1	34030 32/0/	1 1<1/1.1			
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Comethane	u g/1	34413	1 1 1 1 1 1 1 1	- 1 1 1 1 .		
:_n tetrachloride	u g/1	32102	1 10101			
lorobenzene	u g/1	34301	1 1<1/1.1			
proethane	u g/1	34311	1 1 1 1 1 1 1 1 1	1111		
Chloroethylvinvl ether	ug/1	34576	1 I IDIU			
i proform	υ9/1	32106	1 1 1 1 1 1 1 1	11111		
lorome thane	ug/1	34418	1 10101			
(2-Chloroethyl) ether	. ug/1	34273	1 1 1 1 1 1 1 1			
bromochloromethane	ug/1	32105	1 1. INIDI			
-Dichlorobenzene	ug/1	34536	1 < 1/1.1			
D-Dichlorobenzene	ug/1	34566	ועומו ו			
4-Dichlorobenzene	09/1	34571	1 191.11			
()lorodifluoromethane	ug/1	34668	ועוטווו			
1-Dichloroethane	·ug/l	34496	1 I I I I I I I			
: -Dichloroethane	U 9/1	34531	1 1 1 1 1 1 1 1			
1-Dichloroethene	υg/1	34501	1 1 NID1	1 1 1 1		
i 15-1,2-Dichloroethene	u 9/1	34546	1 1 10101	1 1 1 1 1		
2, ~ichloropropane	ug/1	34541	i j i DiDj	1111		
2.3-Dichloropropene	ug/1	34704	11147			

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CONSTITUENT	REPORTING UNITS	STORET CODE	ANALYSES PESULTS	DETECTION LIMIT	
1-1.3-Dichloropropene	ug/1	34699	1110101	4 4 4 4 4	
vi benzene	ug/1	34371	וחואווו		
lene chloride	. ug/l	34423	11411.1		├ -
hyl Ethyl Retone	ug/1	81595	1 1 IVIDI	11111	-
Til Isobutyl Ketone	ug/1	81596	I I NI DI		
2.2-Tetrachloroethane	ug/1	34516	1 1 1 1 1 1 1		
pchloroethene	ug/1	34475	1 1 1 1 1 0 1		
enjotoce	ug/1	34010	1110101	11111	
-1-Trichloroethane	ug/1	34506	1 1 10101		+
2-Trichloroethane	· ug/1	34511	1110101	1111	-
chloroethene	ug/1	39180	1110101	11111	
hlorofluoromethane	ug/1	34488	1 1 1 1 1 1 1 1 1		-
nyl chloride	ug/1	39175	ול ועו ו ו		-
l nes	ug/1	81551	1114/1.1	11111	
Note any unidentified peaks	s below .				
Part of the control o					
[]	·				



APPENDIX C WELL COMPLETION REPORTS

1 1 2 1



3420 N. SAN FERNANDO BLVO, SUITE 200 BURBANK, CALIFORNIA 91504 818-848-0214 PANAFAX 818-848-1674

December 30, 1987

Cal Mat Properties 3200 San Fernando Road Los Angeles, California 90065

Project No. 58-7057

Attention: Mr. George Cosby

Gentlemen:

Completion Report

Construction of Second Downgradient Monitoring Well - Hewitt Landfill

Los Angeles, California

The completion report for the new Second Downgradient Monitoring Well for Hewitt Landfill is attached. This well was installed as part of the landfill SWAT program. The report includes construction details, and a description of materials encountered.

If you have any questions regarding this information, please do not hesitate to contact us.

Yours very truly,

LAW ENVIRONMENTAL, INC.

by

Vincent Richards Staff Geologist

Vinent M. Relatz

hv

Glenn A. Brown, C.E.G. 3 Senior Vice President

COMPLETION REPORT

CONSTRUCTION OF SECOND DOWNGRADIENT MONITORING WELL

HEWITT LANDFILL

LOS ANGELES, CALIFORNIA

Project No. 58-7057



INTRODUCTION

This report describes the construction of CalMat Company's Second Downgradient Well at the Hewitt Landfill. The well is located in the North Hollywood District of Los Angeles, California, 800 feet north of the northwest corner of Sherman Way and Laurel Canyon Boulevard (see Figure 1).

Well drilling, casing construction, and development of the Second Downgradient Well was provided by Howard Pump, Inc. of Barstow, California. Geophysical logging of the borehole was provided by Welenco, Inc. of Bakersfield, California. Logging of the alluvial materials penetrated, documentation of construction practices, well design, and testing were provided by Law Environmental, Inc. of Burbank, California. All work related to well design and construction supervision was carried out in accordance with verbal authorization from Mr. George Cosby.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geologist practicing in this or similar localities. No other warranty, expressed or implied is made as to the professional advice included in this report.





HYDROGEOLOGIC CONDITIONS

The lithologic log of the well is presented in Appendix A. The material penetrated by the boring consists of Pleistocene alluvial material derived from San Gabriel Mountains to the north. The alluvial material is predominantly sand and sandy gravel with numerous cobble zones and occasional interbeds of clay and silt. The clay and silt layers became more prominent below 280 feet. The lithologic log indicates that the alluvial materials beneath the site are highly permeable. Ground water was encountered below 250 feet in unconfined conditions.

WELL CONSTRUCTION

Drilling commenced on November 23, 1987 using a conventional rotary mud method and bentonite drilling mud to stabilize the borehole and remove drill cuttings.

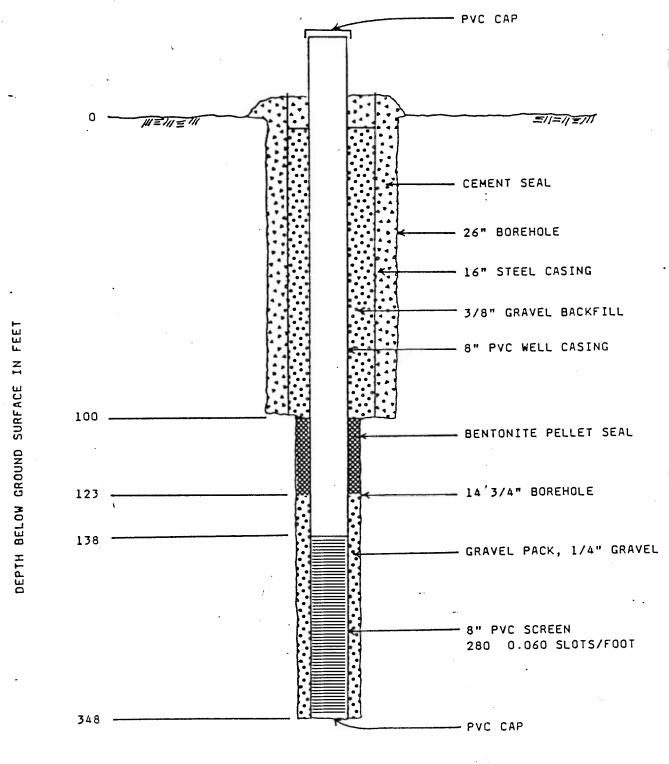
On November 25, 1987, a 9-7/8-inch-diameter pilot hole was drilled to a final depth of 348 feet, and geophysical logging of the borehole was performed (Appendix B). Based on review of the lithologic, gamma-ray, and electric logs, a final well design was completed.



On December 1, 1987, a 26-inch conductor borehole was drilled to a total depth of 100 feet. A 16-inch-diameter conductor was set in the borehole and cemented into place. On December 4, 1987, the well borehole was reamed to a 14-3/4-inch diameter and a total depth of 348 feet below ground surface on December 4, On December 7, the drilling mud in the borehole was thinned and 8-inch PVC casing and screen placed to the bottom of Schedule 80 PVC slotted casing, 280 0.060-inch the borehole. slots/foot, was set between the depths of 138 feet and 348 feet. Well construction details are presented on Figures 2 and 3. annular space between the borehole and well screen was filled by 1/4-inch crushed gravel using a Bobcat loader. The gravel pack was placed to 123 feet below ground surface and covered with bentonite pellets, which filled the borehole to the bottom of the conductor casing. The remainder of the borehole was filled with 3/8-inch gravel to the surface.

WELL DEVELOPMENT

Well development was conducted in two separate phases. On December 9 and 10, the well was bailed using a 6-inch bailer for a total time of eight hours. Partial clearing of the water was observed. On December 16, the well was partially developed using a 6-inch turbine pump set at 300 feet. Development consisted of surging the well by the on-off action of the pump. Discharge



NOT TO SCALE

WELL CONSTRUCTION DETAIL SECOND DOWNGRADIENT WELL

FIGURE 2



MONITORING WELL CONSTRUCTION DETAILS WELL NO. - SECOND DOWNGRADIENT WELL

JOB NAME CAL MAT PROPERTIES Date Construction Commenced 11-23-87 Drilling Contractor Howard Pump Supervision By YINGE RICHARDS Signature WELL LOCATION
Drilling Contractor Howard Pump Supervision By Yinge Richards - STEVE McArdle Signature WELL LOCATION
Supervision By VINCE RICHARDS - STEVE MEARINE Signature WELL LOCATION
WELL LOCATION
WELL LOCATION
Comment to the last Autores
State CALIFORNIA County LOS ANGELES City
Coordinates
BOREHOLE DRILLING
Conductor Borehole: Depth 100 feet Diameter 26 inches
Drilling Method ROTARY Drilling Fluid BENTONITE + FRESH WATER
Drilling Method ROTARY Drilling Fluid BENTONITE T FRESH WATER Well Borehole: Depth 314 inches
Well Borehole: Depth 374 inches Drilling Method ROTARY Drilling Fluid BENTONITY + FRESH WATER
WELL CONSTRUCTION
Conductor Casing Material STEEL ASTM
Length 100 feet ID 16 inches Wall 25 inches
Well Casing Materials SCHEDULE BO PVC FLUSH THREADED ASTM
Length 13.8 fact ID 8 inches Wall inch
Well Screen Type Schrouse 80 PVC Schrouse 80 ASTM
Material PVC SCHT RULE & ASTM
Length 200210 feet ID 8 inches Wall inches
Length 200210 feet ID 8 inches Wall inche Siots/foot 280 Length inches Width inches
Filter Pack Material
Placement Method DUTP
Sealant Materials BENTONITC PCLICTS Volume 19 cu. fe
Volume Cu. fer
Placement Method CRAVITY
Protective Well Cap Type PVC CAP
Well Development Procedure BAILING + PUTT TURBINE PURPING
Duration/2 hours Volume Pumped
WELL TESTING
Date of Test 12/17/87 Type ConsTANT DISCHARGE Duration 2.5 hou
Discharge Rate 200 gpm Pumping Water Level 253-3 253. Te
Specific Capacity 167 gpm/ft Static Water Level 252.3 fe
Sand Content
Turbidity CIEAR Odors NONE
Elec. Conductance micromhos/cm pH Temperature60e
Elou condition pri remperatore
REFERENCE ELEVATIONS
Surface Elevation feet Top of Casing Elevation feet
Reference Point Elevation for Water Level Measurements
Description of Heference Point
Description of Reference Point
REMARK



ranged from 50 to 220 gpm. During the discharge period, no visual turbidity was noted.

AQUIFER TESTING

On December 17, a short aquifer test was made on the well. Using the 6-inch turbine pump set at 300 feet, a constant discharge of 200 gpm was held for 2.5 hours. Drawdown was measured by use of an air line and pressure gauge. A summary of these measurements and test data are included in Appendix C.

The available field data from the pump test on the well indicates a transmissivity of 4.6×10^2 g/ft²/d. Calculations are shown in Appendix D.

CURRENT STATUS

On December 18, 1987, the turbine pump was withdrawn from the well, and the well is now awaiting permanent installation of a monitoring pump.

APPENDIX A LITHOLOGIC LOG

LITHOLOGIC LOG

Owner: CalMat Properties

Well No. Second Downgradient

USGS No.

Orilled by: Howard Pumps

Location: CalMat Storage Yard, 800' North of the NW corner of Sherman Wy., and Laurel Cny.

Orilling method: Mud Rotary

Date completed: 12-7-87

Borehole depth: 348 Ft.

Borehole diameter: 14 3/4 inches

Casing: PVC Sch. 80, 2 Ft. above ground to 133 Ft.

Perforations: PVC Sch. 80 w/280 0.060 slots/foot 138-348 Ft.

Yield: 200 gpm

Static water level: 252.3 Ft.

Drawdown: 1.2 Ft.

Specific capacity: 167 gpm/ft

Electrical conductance:

micromhos

Ground eleva	ation:		Top of casing elevation:
Depth	Graphic Log		Description of Materials
		SAND & GRAVEL	Predominantly grey to brown fine to coarse grained sand with varing amounts of quartz rich gravel and approximately 5% micaceous silt
20			Increasing gravel 30% and coarse grained sand
40			
60	00000 0 o o o o o o o o o o o o o o o o		At 50' 80% pea gravel, predominantly quartz diorite and granite Chatter Brown to tan sand with gravel
80			Chatter
100			Chatter Sand grain size decreasing, with silt increasing Chatter Sand increasing

Conductor casing: 16 inch diameter steel casing 0-100 feet Remarks:

LITHOLOGIC LOG

Second Downgraien
Well No. Wall

			Well No. Wel
Depth	Graphic Log		Description of Materials
120			
			Fine to medium sand
		•	rine to medium sand
140 -			
140			Chatter
	30,000		Chatter
			•
	0.0000		
160 -	0.0000		Chatter
100 -		•	·
*	فنع عنه م	SILTY CLAY	Brown silty clay with a small amount of fin-
			to coarse grained sand and gravel. Some
			plasticity, sand increasing with depth
180 -			
	α		
	2	SAND &	Brown to grey, fine to coarse grained sand
		GRAVEL .	with varying amounts of gravel
!		GIGATED .	Aren Agrand amounts of Brazer
200 -	P. 30, 40, 71	*	Chatter
			•
		,	
		4	
· 220 -		1	•
		(•
	2.00.00		21
-	1.0°.2°		Chatter
240 -		•	
	0 0 0 0		Sandier
	1000:19:49		
			Chatter
	5.00		
260 -			
			Themselms survey 1 seeksah
	26000		Increasing gravel content Chatter
	0.40.0.		

LITHOLOGIC LOG

Second Downgradien Well No. Well

Depth	Graphic Log		Description of Materials
280	209	SANDY CLAY to CLAYEY SAND	Brown sandy clay and clayey sand with gravel and occasional cobbles, clay increas with depth
300		SAND & GRAVEL	Brown, fine to coarse grained sand with gravel, and occasional clay and cobble interbeds
	008.80%		Chatter
320			Chatter .
340			Chatter
	<u> </u>	·	Total Depth - 348 Feet
360		7	Total Depth - 546 Feet
		٠.,	
•			
	-	·	
	-		

APPENDIX B

GEOPHYSICAL LOGS

Received: 27 FEB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

REPORT OF ANALYTICAL RESULTS

Page 5

Log Number: 87-02-486-2 Sample Description: Sample #	2		General Mineral Sampled Date 2	Analysis 7 FEB 87
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per L	28 35 56 350 0	0.99 1.2	Hydroxide Alk (as CaCO3) Carbonate Alk (as CaCO3) Bicarb Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) Total Hardness (as CaCO3) Iron Manganese	0.0 0.0 290 270 78 348 <0.02 0.009
Cations	mg/L	meq/L	Copper Zinc	<0.02 <0.03
Sodium Potassium Calcium (EDTA Titration) Magnesium	30 4.4 110 19	0.11 5.5	Surfactants Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units	0.0 450 760 7.6
Total Milliequivalents per L	iter	8.5		•••••

^{*} Conforms to Title 22, California Administrative Code

Edward Vilson, Laboratory Director

The Antique of the second control of the sec

. . . . =

Received: 27 FRB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

REPORT OF ANALYTICAL RESULTS

Page 4

Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per L	0.6 16 <1 340 0	0.0097 0.45 <0.021 5.6 0	Bicarb Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) Total Hardness (as CaCO3) Iron	0.0 0.0 2 1. 82 202 <0.02
Cations	mg/L	meq/L	Manganese Copper Zinc	<0.03 <0.03
Sodium Potassium Calcium (EDTA Titration) Magnesium	46 13 50 20	2 0.33 2.5 1.6	Surfactants Filterable Residue (TDS) Sp. Conductance, umhos/cm	<0. 30 57 7.

^{*} Conforms to Title 22, California Administrative Code

Received: 27 FEB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SA	MPLBS	DAT	E SAMPLED
02-486-1 02-486-2	Sample #1 Sample #2			27 FEB 87 27 FEB 87
PARAMETER		02-486-1	02-486-2	
	roethylene, ug/L	200	6	
	ethylene, ug/L	45	71	
	fluoromethane, ug/L	<1	<1	
Toluene,		<1	<1	
	oride, ug/L	<1	<1	
trans-1 2	-Dichloroethylene, ug/L	21	<1	
	-Dichloropropene, ug/L	<1	<1	
Other Vo	1.Pri.Poll. (EPA-624)			
Semi-Quan	tified Results **	70		
Dichloro	fluoromethane, ug/L	70		
Dichloro		70 stal ion count of	the compound	with

Received: 27 FEB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

REPORT OF ANALYTICAL RESULTS

Page 2

	SAMPLE DESCRIPTION, GROUND WATER SAMPI	.RS	DA	TE SAMPLEI
LOG NO 02-486-1 02-486-2	Sample #1			27 FEB 87 27 FEB 87
PARAMETER	Sample #2	02-486-1	02-486-2	
	oll. (BPA-624)	03/13/87	03/13/87	
Dilution	Factor, Times 1	1 9	4	
1 1 1-Tri	ichloroethane, ug/L	κî	<1	
1.1.2.2-7	Tetrachloroethane, ug/L	<u><1</u>	<1	
1.1.2-Tr	ichloroethane, ug/L	46	<1	
1,1-Dich	loroethane, ug/L	10	<1	
1,1-Dich	loroethylene, ug/L	<1	<1	
1,2-Dich	loroethane, ug/L	9	<1	
1,2-Dich	loropropane, ug/L	<1	<1	
1,3-Dich	loropropene, ug/L	<1	<1	
2-Chloro	ethylvinylether, ug/L	<10	<10	
Acrolein	, ug/L	<10	<10	
Acrylon1	trile, ug/L	<1	<1	
Bromodic	hloromethane, ug/L	<1	<1	
Bromomet	hane, ug/L	<1	<1	
Benzene,	ug/L	<1	<1	
Chlorobe	nzene, ug/L	<1	<1	
Carbon 1	etrachloride, ug/L	<1	<1	
	hane, ug/L	<1	<1	
Bromofor		6	<1	
Chlorofo	thane, ug/L	<1	<u> </u>	
Chlorome	chloromethane, ug/L	(1	< 1	
DIDLOWOO.	zene, ug/L	<1	<1	
Methyler Methyler	ne Chloride, ug/L	2	<1	

Received: 27 FEB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

Page 1 REPORT OF ANALYTICAL RESULTS DATE SAMPLED SAMPLE DESCRIPTION, GROUND WATER SAMPLES LOG NO 27 FEB 87 02-486-1 Sample #1 27 FEB 87 02-486-2 Sample #2 02-486-1 02-486-2 <3 6 Total Organic Carbon (TOC), mg/L 03/02/87 03/02/87 Dissolved Digestion, Date

LOG NO: P84-11-118

Received: 08 NOV 84 Reported: 06 DEC 84

Project: E-81001

Leroy CRANDALL & ASSOCIATES 711 N. ALVARADO ST. LOS ANGELES, CA 90026

ATTN: Mervin Johnson

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPL	ES	DATE SAMPLED
11-118-1	HEWITT WELL #1		08 NOV 84
PARAMETER		11-118-1	
Extraction Acrolein, use Acrylonitri Ethylbenzen Tetrachloro	g/L le, ug/L e, ug/L ethylene, ug/L	11/19/84 <10 <10 3 3 8 <1	
Xylene Ison ** Quantif total ion	fied Results ** mers, ug/L ication based upon comparison of count of the compound with that of the ternal standard	20	

Edward Wilson, Laboratory Director



BROWN AND CALDWELL

CONSULTING ENGINEERS

ANALYTICAL SERVICES DIVISION

373 SOUTH FAIR OAKS AVE. PASADENA, CA 91105 PHONE (213) 795-7553 Log No. P84-11-118-1

Date Sampled 11/08/84 11/08/84 Date Reported 12/06/84

LeRoy Crandall

711 N. Alvarado Street

Reported To:

Los Angeles, CA 90026

Attn: Alice Campbell

cc.

_

Education Director

Sample Description	Hewitt	Well #1	· •			
Anions	Miligrams per liter	Milliequiv. per liter	Determination	Milligrams per liter	Determination	Milligra per lit
Nitrate Nitrogen (as NO ₃)	15	0.24	Hydroxide Alkalinity (as CaCO ₃)	0.0		
Chloride	22	0.63	Carbonate Alkalinity (as CaCO ₃)	0.0		
(** ate (as SO ₄)	220	4.6	Bicarbonate Alkalinity (as CaCO ₃)	250		
Bicarbonate (as HCO ₃)	300	4.9	Calcium Hardness (as CaCO ₃)	240		
Carbonate (as CO ₃)	0.0	0.0	Magnesium Hardness (as CaCO ₃)	60		
Total Milliequivalents per l	Liter	10	Total Hardness (as CaCO ₃)	300		
Cations	Milligrams per liter	Milliequiv.	Iron	< 0.059		
Sodium	34	1.5	Manganese	< 0.032		
Potassium	3.5	0.09	Copper	< 0.06		
Calcium	95	4.7	Zinc	< 0.013	,	
Magnesium	14	1.2	Foaming Agents (MBAS)	< 0.10		
otal Milliequivalents per L	iter	7.5	Dissolved Residue, Evaporated @ 180℃	- 140,000	40	
Conforms to Title 22, Californi California Domestic Water Qua Legulations)			Specific Conductance, micromhos @ 25°C	830	рН	7.

^aData rechecked and found to be true

		ORGA	ORGANICS (ppb)	(qdd)	TRACE	TRACE ELEMENTS (PPM)	(#dd) S			·	TRACE E	TRACE ELENENTS (ppm)	(bp#)))))))	ii 11 11 11 11	"
	OINI DATE TCE	# # # # # # # # # # # # # # # # # # #	E E	PCE 1,20CA			Al A9 As Cd Cu Fe H9 Mn Pb Ni Se Zn	p 3	ا	Fe	£	£	æ	ž	Se	Zn
# 	-UP 08-Nov-84 -UP 27-Feb-87 45.0	45.0	3.0 200.0 <1 2.0 <1	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<0.2	<0.02	<0.02 <0.002 <0.02	<0.02	<0.6 <0.2 <0.02	<pre><0.6 0.590 0.032 0.013 <0.2 <0.02 <0.050 <0.050 <0.03 <0.02 1.200 <0.0008 0.012 <0.002 <0.04 <0.004 0.170</pre>	8000.0>	0.032 <0.050 0.012	<0.002	<0.04	<0.004	0.013 <0.03 0.170
2-DN 2-DN 2-DN	23-Jan-85 2.0 27-Feb-87 71.0 04-Apr-88 <1 <	2.0 71.0	6.0 6.0 <1 <1 <1	♥ ♥	<0.2 <0.2	<0.02 <0.02	<0.002 <0.002	<0.001 <0.001	<0.14 <0.02 <0.02	<0.13 <0.02 1.300	<0.0008 <0.0008	<0.04	<0.002 <0.002	<0.04 <0.04	<0.004	<pre><0.03 <0.002 <0.001 <0.02 <0.002 <0.002 <0.002 <0.002 <0.000 <0.0002 <0.000 <0.00</pre>
3-DN	3-DN 04-Apr-88 <1	₽	♥ ₩	₽	<0.2	<0.02	<0.02 <0.002 <0.02 <0.02 <0.02 <0.00 <0.0008 0.050 <0.002 <0.04 <0.004 0.030	<0.02	<0.02	0.900	÷0.000°	0.050	<0.002	<0.04	<0.004	0.030

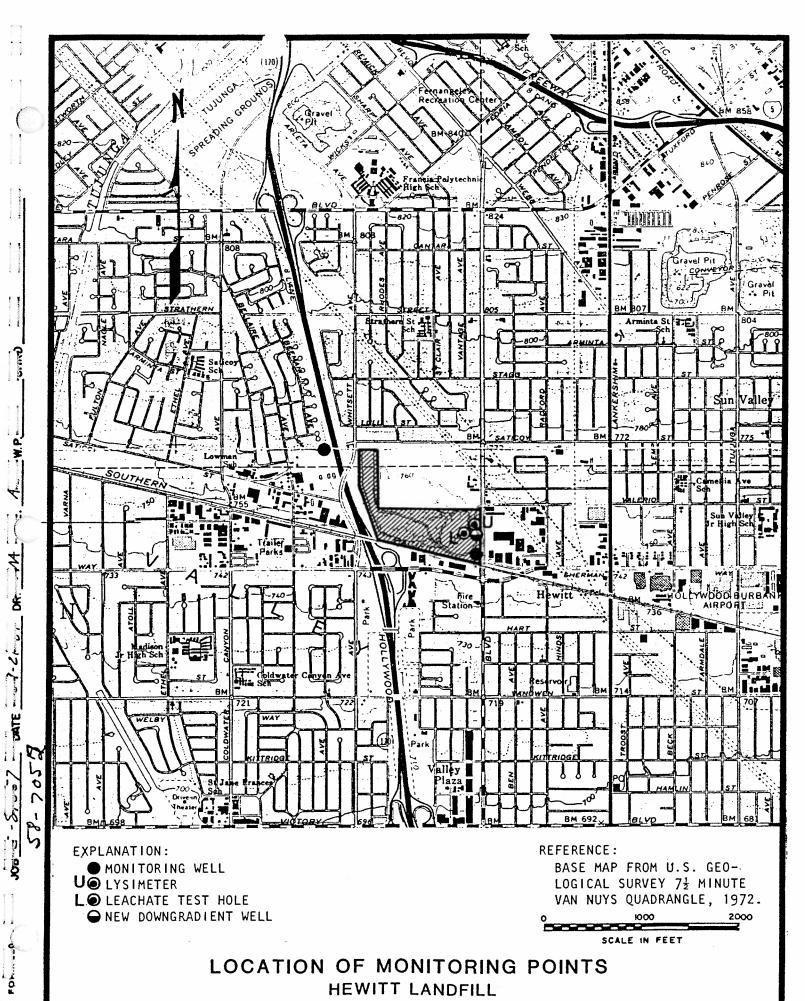


MANILEY (TT.) FIELD MEASUREMENTS (ppm) LABORATORY AMALYSES (ppm) GENERAL NINERAL (ppm) PUINT DATE REF PT. W S E FpH T(F) ECF COZ A1K EC LpH Ca M9 Na K CO3 HCO3 SO4 C1 NO3 B F TDS COG 1-UP 27-Feb-87 7.7 63 720 6.0 153 570 7.5 50 20 46.0 13.0 0.0 340 <1 16.0 0.6 300 1-UP 27-Feb-87 7.7 63 720 6.0 153 570 7.8 88.0 13.0 30.0 3.0 <0.6 290.0 50.0 27.0 21.0 0.39 0.2 320 4 1-UP 27-Feb-87 7.7 63 720 6.0 153 570 7.8 88.0 13.0 30.0 3.0 <0.6 290.0 50.0 27.0 21.0 0.39 0.2 320 4 1-UP 27-Feb-87 7.1 63 580 80 7.6 110 19 30.0 4.4 0.0 350 56 35.0 28.0 450 50 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.0 <3.	THE FIELD MEASUREMENTS (PRW) LABORATORY ANALYSES (PPW) GENERAL NINERRAL (PPW)	Alk EC LpH Ca Mg Na K C03 HC03 S04 C1 N03 B F TDS C00 153 570 7.5 50 20 46.0 13.0 0.0 30 220 3.2 15.0 420 153 570 7.5 50 20 46.0 13.0 0.0 340 1 16.0 0.6 300 20.0 7.8 88.0 13.0 30.0 3.0 6.0 50.0 27.0 21.0 0.39 0.2 320 4.0 420 150 7.5 50 20 46.0 13.0 0.0 340 1 16.0 0.6 300 151 570 7.5 50 20 46.0 13.0 0.0 340 1 16.0 0.6 300 152 570 7.5 50 20 46.0 13.0 3.0 6.0 50.0 50.0 27.0 21.0 0.39 0.2 320 4.0 420 150 7.0 7.0 21.0 0.39 0.2 320 4.0 810 7.2 75 28 33.0 5.0 4.4 0.0 350 56 35.0 28.0 760 7.6 110 19 30.0 4.4 0.0 350 56 35.0 28.0 750 6.0 6.0 6.0 6.0 560 33 16.0 1.4 0.35 0.30 520 6.3 0 450 450 7.5 130 24 50.0 6.0 6.0 6.0 50 32.0 48.0 0.52 0.20 570 6.3 0	-		-				GROUN	GROUND WATER DATABASE	DATABA	쏬		REV:	Jun-88											
T(F) ECf C02 63 720 6.0 62 498 63 580 63 27.0 64 750 15.0	REF PT. M S E FPH T(F) ECF CO2 A1K EC LpH Ca Mg Na K CO3 HCO3 SO4 C1 NO3 B F TDS COD TOC 4 7.7 63 720 6.0 153 570 7.5 50 20 46.0 13.0 0.0 340 <1 16.0 0.6 3.0 6.1 5 7.1 63 580	REF PT. W S E FPH T(F) ECF COZ AIK EC LpH Ca Ng Na K CO3 HCO3 SO4 C1 NO3 B F TOS COD TOC 830 7.8 11 14 34.0 3.5 0.0 30 220 3.2 15.0 6.0 6.0 6.0 6.0 830 7.8 11 14 34.0 3.5 0.0 340 C1 16.0 0.6 820 7.7 63 720 6.0 153 570 7.5 50 20 46.0 13.0 0.0 340 C1 16.0 0.6 820 7.1 63 580 7.8 11 14 34.0 3.0 0 3.0 C4.0 50.0 27.0 21.0 0.39 0.2 320 4.0 C0.08 820 7.1 63 580 7.2 110 19 30.0 4.4 0.0 350 56 35.0 28.0 820 7.2 64 750 15.0 390 960 7.5 130 24 50.0 6.0 C4.6 510 50 32.0 48.0 0.52 0.20 570 C4.0 820 7.8 63 7.0 C4.0 390 960 7.5 130 24 50.0 6.0 C4.6 510 50 32.0 48.0 0.52 0.20 570 C4.0 C4.0 820 7.2 64 750 15.0 390 960 7.5 130 24 50.0 6.0 C4.6 510 50 32.0 48.0 0.52 0.20 570 C4.0 C4.0 820 7.2 64 750 15.0 390 960 7.5 130 24 50.0 6.0 C4.6 510 50 32.0 48.0 0.52 0.20 570 C4.0 C4.08	!!	ii	#A Lt	V (Tt.)			MEASU	REMENTS 		į	LABOR	ATORY	ANAL YSE	S (ppm)	_	GENERAL	MINER	IL (pp≡)						
830 7.8 11 14 34.0 3.5 0.0 30 220 3.2 15.0 620.0 7.8 88.0 13.0 30.0 3.0 <0.6 290.0 50.0 27.0 21.0 0.39 0.2 810 7.2 75 28 33.0 5.0 450 28 17.0 760 7.6 110 19 30.0 4.4 0.0 350 56 35.0 28.0 463 810 8.0 120 22 43.0 5.0 <0.6 560 33 16.0 1.4 0.35 0.30 390 960 7.5 130 24 50.0 6.0 <0.6 510 50 32.0 48.0 0.52 0.20	830 7.8 11 14 34.0 3.5 0.0 30 220 3.2 15.0 620.0 7.8 88.0 13.0 30.0 3.0 <1 16.0 0.6 620.0 7.8 88.0 13.0 30.0 3.0 <0.6 290.0 50.0 27.0 21.0 0.39 0.2 810 7.2 75 28 33.0 5.0 44 0.0 350 56 35.0 28.0 760 7.6 110 19 30.0 4.4 0.0 350 56 35.0 28.0 760 7.5 130 22 43.0 5.0 <0.6 560 33 16.0 1.4 0.35 0.30 390 960 7.5 130 24 50.0 6.0 <0.6 510 50 32.0 48.0 0.52 0.20	830 7.8 11 14 34.0 3.5 0.0 30 220 3.2 15.0 620.0 7.8 88.0 13.0 30.0 3.0 <0.6 290.0 50.0 27.0 21.0 0.39 0.2 810 7.2 75 28 33.0 5.0 45.0 28 17.0 760 7.6 110 19 30.0 4.4 0.0 350 56 35.0 28.0 463 810 8.0 120 22 43.0 5.0 <0.6 560 33 16.0 1.4 0.35 0.30 390 960 7.5 130 24 50.0 6.0 <0.6 510 50 32.0 48.0 0.52 0.20	DATE	i	REF PT	E S E	Fg	T(F)	ECF	C02	A]k	ដ	耄	වු	£	Na	 \(\sum	E03	HC03	S04	5			<u></u>	00 SQ	
7.1 63 580 7.8 63 27.0 463 810 8.0 120 22 43.0 5.0 450 28 17.0 7.8 64 750 15.0 390 960 7.5 130 24 50.0 6.0 <0.6 510 50 32.0 48.0 0.52 0.20	7.1 63 580 7.8 63 27.0 463 810 8.0 120 22 43.0 5.0 450 28 17.0 7.8 64 750 15.0 390 960 7.5 130 24 50.0 6.0 <0.6 510 50 32.0 48.0 0.52 0.20	7.1 63 580 7.8 63 7.0 450 7.8 63 7.0 760 7.6 7.6 110 19 30.0 4.4 0.0 350 56 35.0 28.0 7.8 63 7.8 64 7.0 453 810 8.0 120 22 43.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.2 82.0 48.0 0.52 0.20	08-Nov-84 27-Feb-87 04-Apr-88	-8 -8 -8 -8	_		7.7	, 63	720	6.0	153	830 570 620.0	7.8 7.5 7.8	11 88.0	14 20 13.0	34.0 46.0 30.0	3.5 13.0 3.0	0.0	30 340 290.0	220 <1 50.0	3.2 16.0 27.0		0.39		420 300 320	4.0 < 0.4
7.5 64 750 15.0 390 960 7.5 130 24 50.0 6.0 <0.6 510 50 32.0 48.0 0.52 0.20 570	7.5 64 750 15.0 390 960 7.5 130 24 50.0 6.0 <0.6 510 50 32.0 48.0 0.52 0.20 570 <3.0	7.5 64 750 15.0 390 960 7.5 130 24 50.0 6.0 <0.6 510 50 32.0 48.0 0.52 0.20 570 <3.0	돌을 호	23-Jan-85 27-Feb-87 04-Apr-88			7.1						7.2 7.6 8.0			33.0 30.0 43.0	5.0	0.0	450 350 560	28 33		28.0 1.4	0.35		760 <3 450 520 <3	6. 6. 8. 0.
			چَ	04-Apr-88			7.5							130	24	50.0	6.0	9.0>	510	20	32.0	48.0			570 <3	

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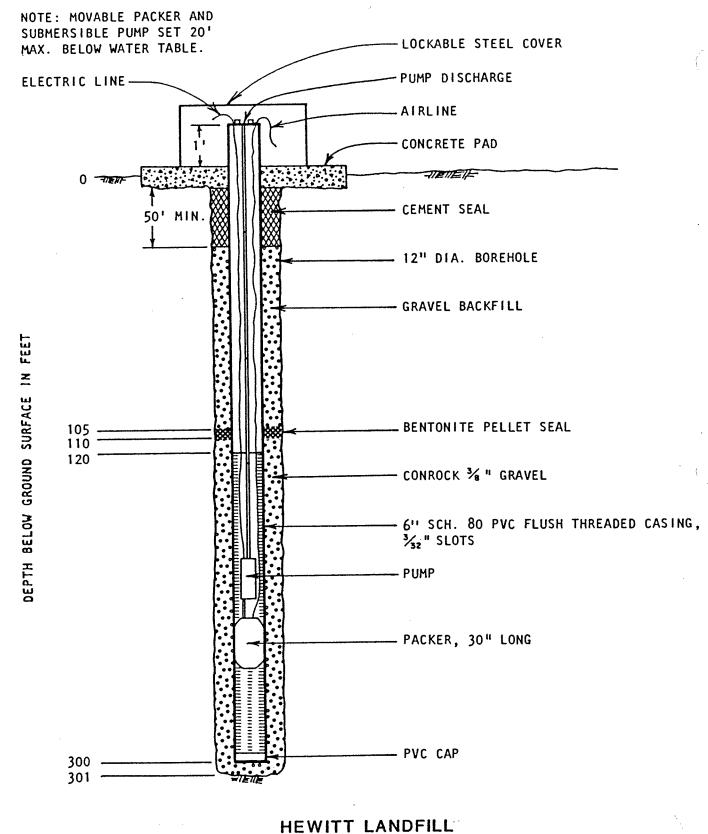


APPENDIX B WATER AND GAS ANALYSIS



ETOMBE 0

Leroy Crandall and Associates



PROPOSED MONITORING WELL CONSTRUCTION DETAILS

356 w 870cm

NOT TO SCALE

gradient is steepest. Note that any partially penetrating well, there is some upconing of water from beneath the end of the screen, so merely drilling a short well does not ensure that all water pumped comes from an area above the base of the well. (See Ground Water and Wells, pages 211 and 249.) Hydraulically, the packer-shortened well will behave the same as a truly short well. We do not anticipate any observable water quality changes whether the packer is in place or not.

Comment: #2 - Additional Downgradient Well

Response: The attached Figure 2 shows the proposed location of a new downgradient well. We believe a site a little south of the corner of the site will cover a wider area of the landfill, and ensure that the well is always downgradient of refuse.

Comment: #3 - Well Construction Details

Response: Figure 3 shows details of construction for the required new well, including the packer-pump assembly.

If you have any questions, please contact either Glenn Brown or Alice Campbell at (818) 848-0214, which is our new telephone number.

Yours very truly,

LAW ENVIRONMENTAL, INC.

bу

Alice Campbell C.E.G. 1157

Glenn & Brown

by

Glenn A. Brown C.E.G. 3

September 25, 1987

Cal Mat Company 3200 San Fernando Road Los Angeles, California 90065

(Our No. 58-7057)

Attention: Mr. George Cosby

Dear Mr. Cosby:

Responses to RWQCB Comments SWAT Proposal Hewitt Landfill (File No. 58-191)

This letter presents our responses to the Regional Water Quality Control Board letter of September 8, 1987.

Comment:

#1 - Adequacy of Exiting Wells

Response:

The technical justification for having long screens is that the historic change in water levels at the site is about 200 feet. The aquifer is unconfined and has no locally extensive horizontal sublayers. So far, in this aquifer, we see little difference in monitoring results whether we pump wells or bail them, whether they have long or short screens, whether the screen goes above or is entirely below the water table. We have no convincing evidence that dilution occurs in pumped samples, or that devolatilization occurs in bailed samples. However, the existing wells can be modified to provide more depth specific water samples and reduce the chance of dilution of contaminants.

Figure 1 shows a proposed modification of the existing wells to meet these requirements. The wells would be fitted with a packer-pump combination intended to block flow from the lower part of the casing. This would produce the effect of a partially penetrating well in an unconfined aquifer. This is intended to meet the RWQCB requirement of sampling the uppermost aquifer.

For partially penetrating wells in unconfined aquifers, most of the water produced by the well comes from the sides of the cone of depression where the

Mr. George Cosby Page 2

Please submit comments and/or data concerning the above items to this office by September 30, 1987, in order that we may complete the review and approval process for your SWAT Proposal.

If you have any question, please contact Myra Hart at (213) 620-2385.

Jenni Pasker

RAYMOND K. DELACOURT Senior Water Resource Control Engineer

RKD:MLH

cc: Glenn A. Brown, LeRoy Crandall and Associates
Bob Ford, State Water Resource Control Board, Division of
Water Quality

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD— LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 4027 LOS ANGELES, CALIFORNIA 90012-4596 (213) 620-4460



September 8, 1987

Mr. George Cosby CalMat Company 3200 San Fernando Road Los Angeles, California 90065

SWAT PROPOSAL - HEWITT LANDFILL (File No. 58-191)

After reviewing your SWAT Proposal for the subject site, a meeting was held on July 16, 1987, with representatives of LeRoy Crandall and Associates in which we addressed the following deficiencies in the SWAT Proposal:

- 1. Existing well construction appears to be inadequate for SWAT ground water monitoring. The long perforated well screen lengths may not provide samples that meet our objectives of achieving a more depth-specific ground water analysis and ensuring minimal dilution of contaminants within the well casing. Please provide a ground water monitoring system which will meet our objectives.
- 2. Well number 3810C, the southernmost proposed downgradient well, is inadequate for SWAT ground water monitoring because sufficient well construction data is not presented. We require that the wells be positioned as close as possible to the compliance points of the landfill in order to ensure immediate detection of contaminants leaving the waste management unit. Please provide us with an additional downgradient well location. The best location appears to be along Laurel Canyon Boulevard at the northeast corner of the landfill.
- In addition, please provide detailed drawings and data of the proposed well construction and location.

RECEIVED LeRoy Crandall and Associates	
SEP 1 0 1987 File: = 87057 GAB W	

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—LOS ANGELES REGION

J7 SOUTH BROADWAY, SUITE 4027 LOS ANGELES, CALIFORNIA 90012−4596 (213) 620-4460

November 2, 1987

Mr. George Cosby Cal Mat Company 3200 San Fernando Road Los Angeles, California 90065

	REC	EIVED	
LAW	ENVIRO	NMENTAL	, INC.
File		4 1987	
]	
•••••		J	

APPROVAL OF HEWITT LANDFILL SWAT PROPOSAL (FILE NO. 58-191)

We have reviewed your letter, dated September 25, 2987, in reply to our comments concerning the Hewitt Landfill SWAT Proposal.

Your SWAT Proposal for Hewitt Landfill is approved. Your final SWAT Report is due to this Board no later than July 1, 1988, although some monitoring data may have to be submitted later.

If you have any further questions, please call Myra Hart at (213) 620-2385.

Robert P. Mirelli

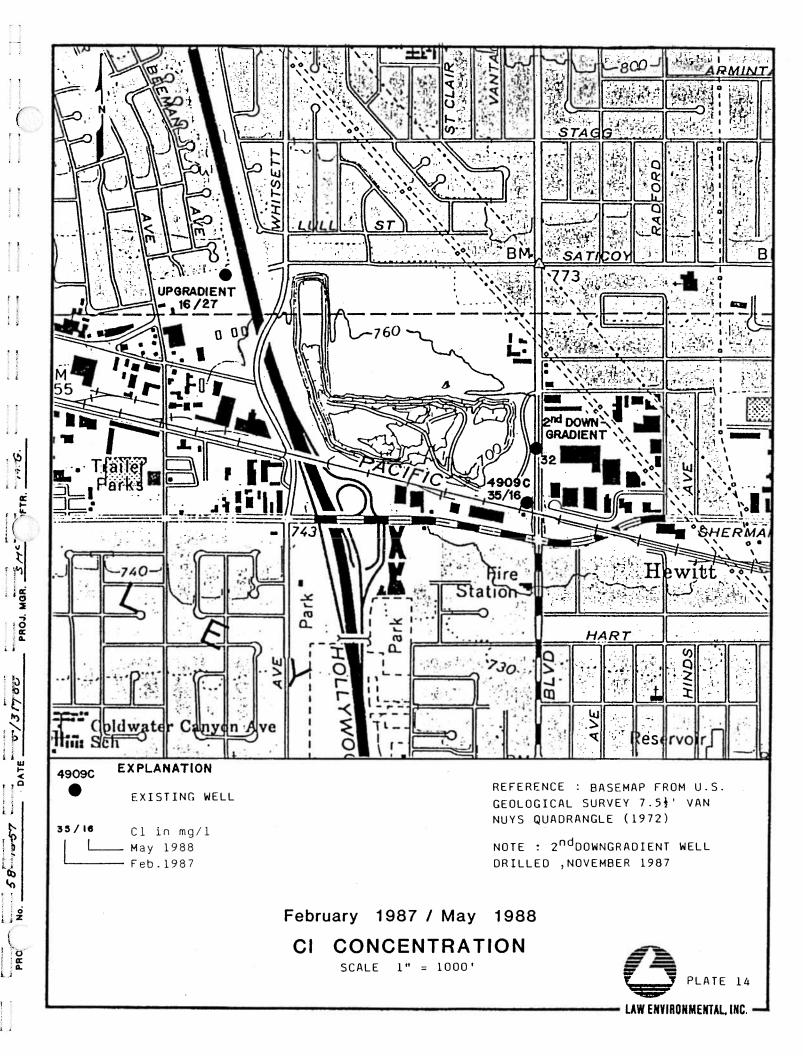
ROBERT P. GHIRELLI, D.Env. Executive Officer

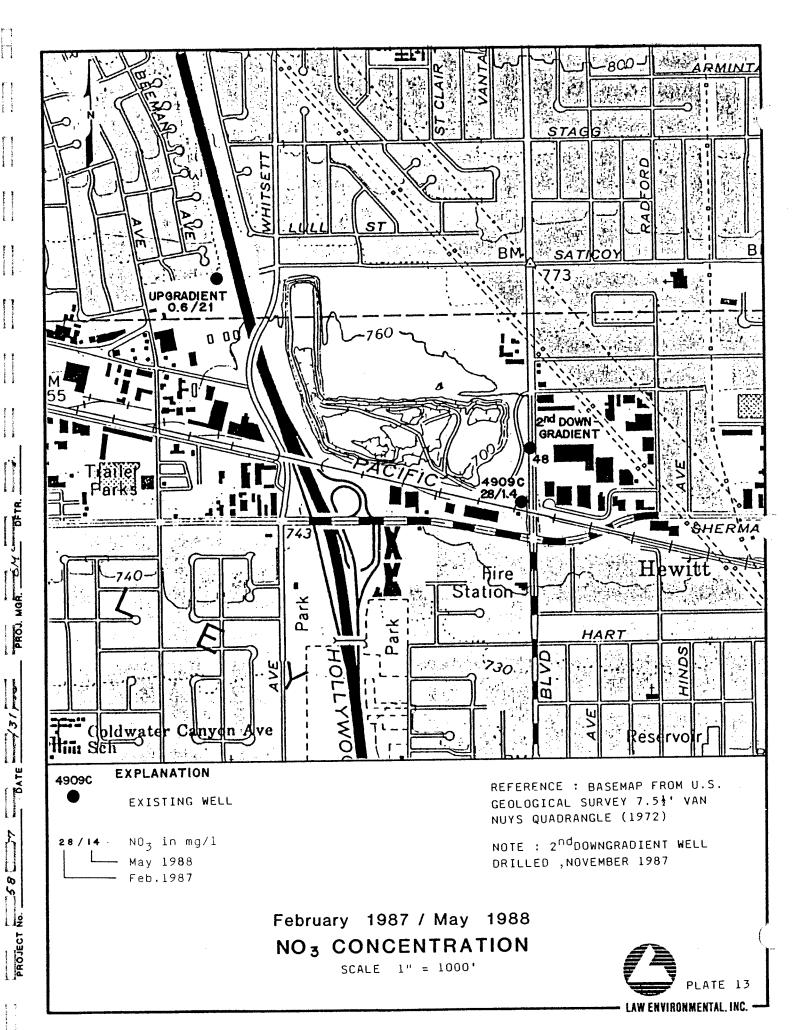
RKD: MLH

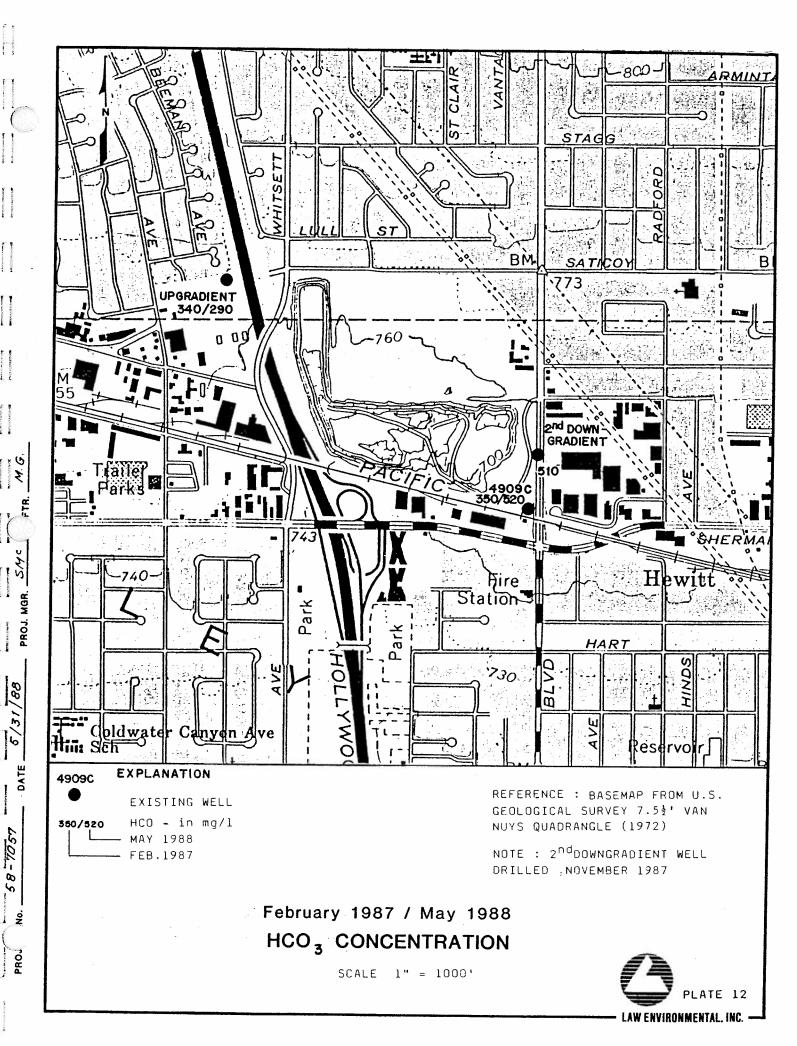
cc: Jim Parsons, State Water Resource Control Board, Division of Water Quality Glenn A. Brown, Law Environmental, Inc.

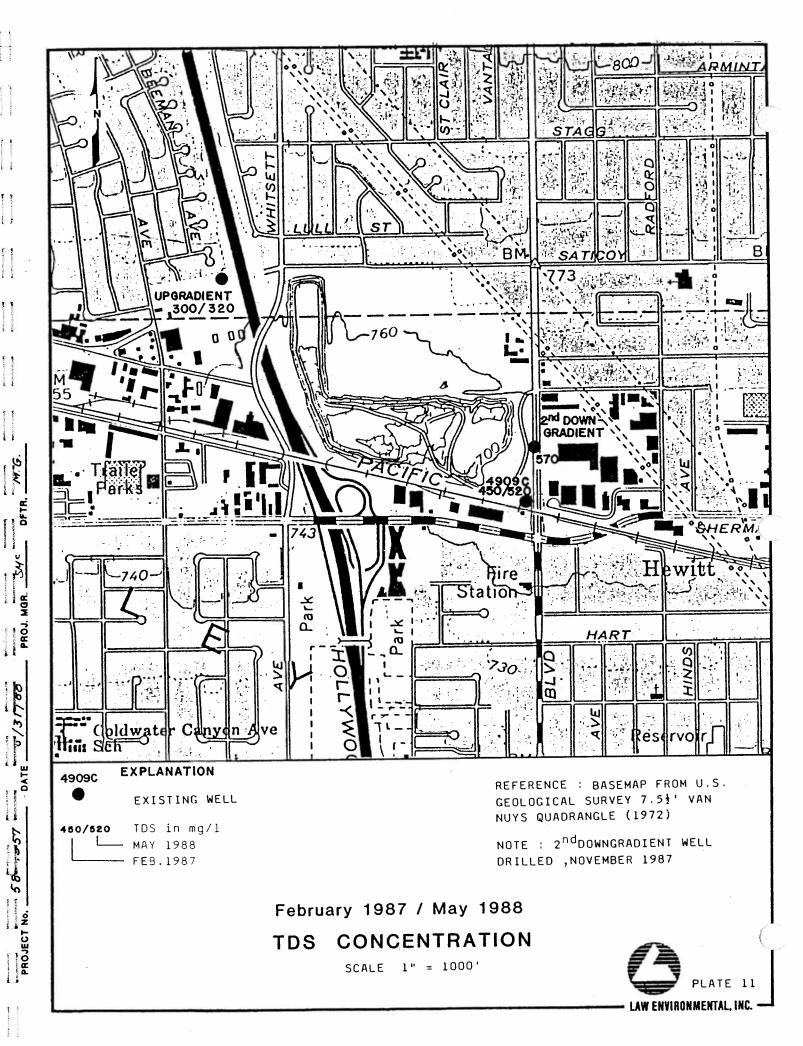


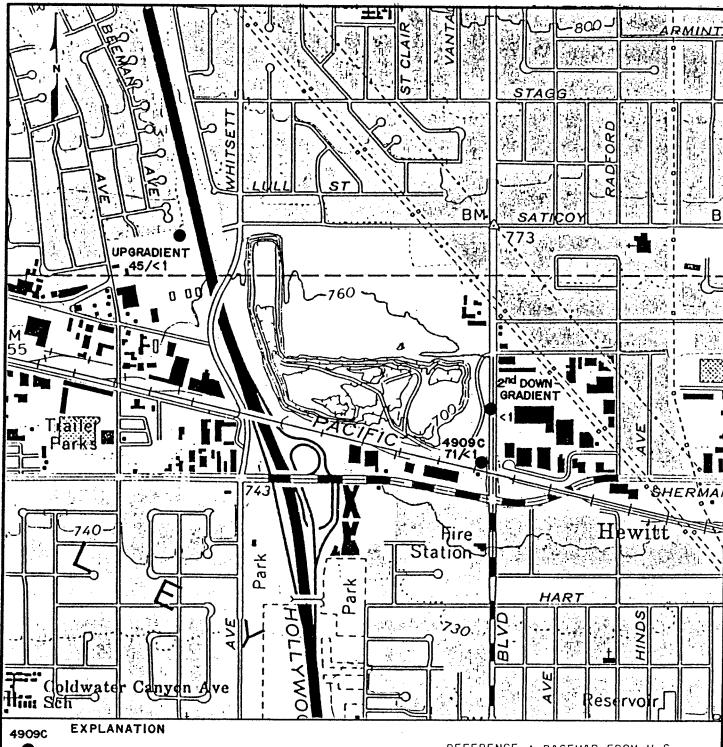
APPENDIX A RELATED CORRESPONDENCE











EXISTING WELL

71/<1

PROJ

H

TCE in ppb May 1988 Feb.1987 REFERENCE : BASEMAP FROM U.S. GEOLOGICAL SURVEY 7.5½ VAN NUYS QUAORANGLE (1972)

NOTE : 2nd00WNGRA0IENT WELL ORILLEO ,NOVEMBER 1987

February 1987 / May 1988
TCE CONCENTRATION

SCALE 1" = 1000'



PLATE 10

LAW ENVIRONMENTAL. INC.



X

DFTR.

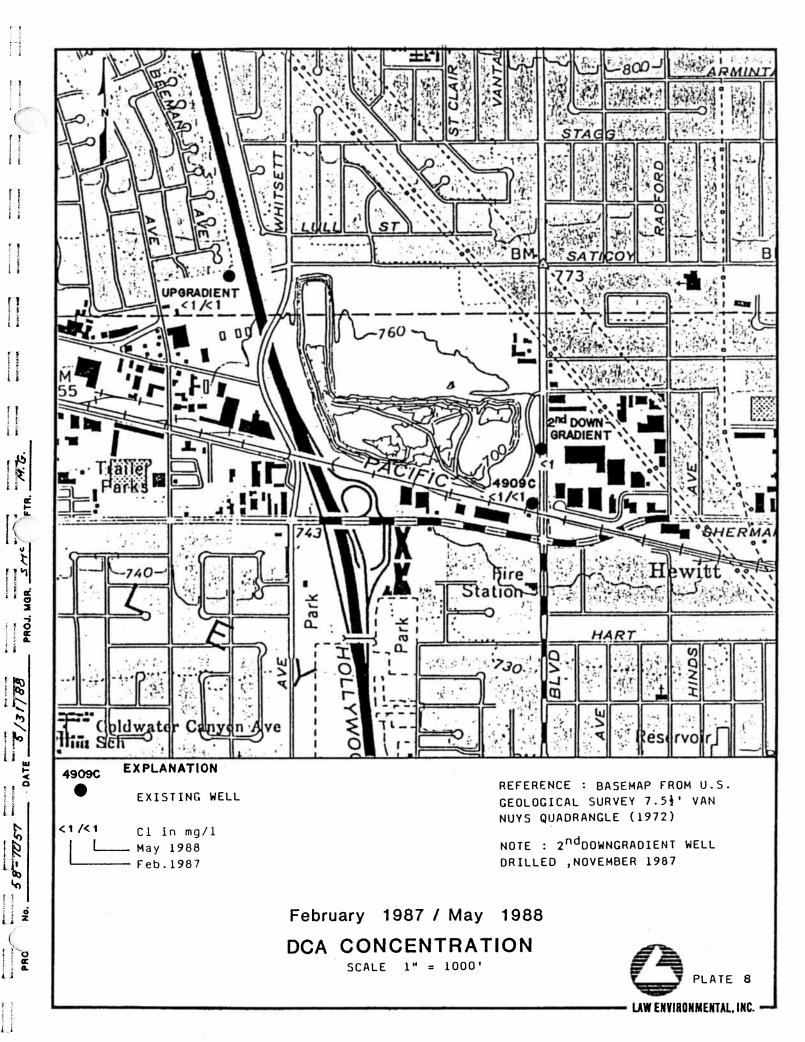
\$/31/88

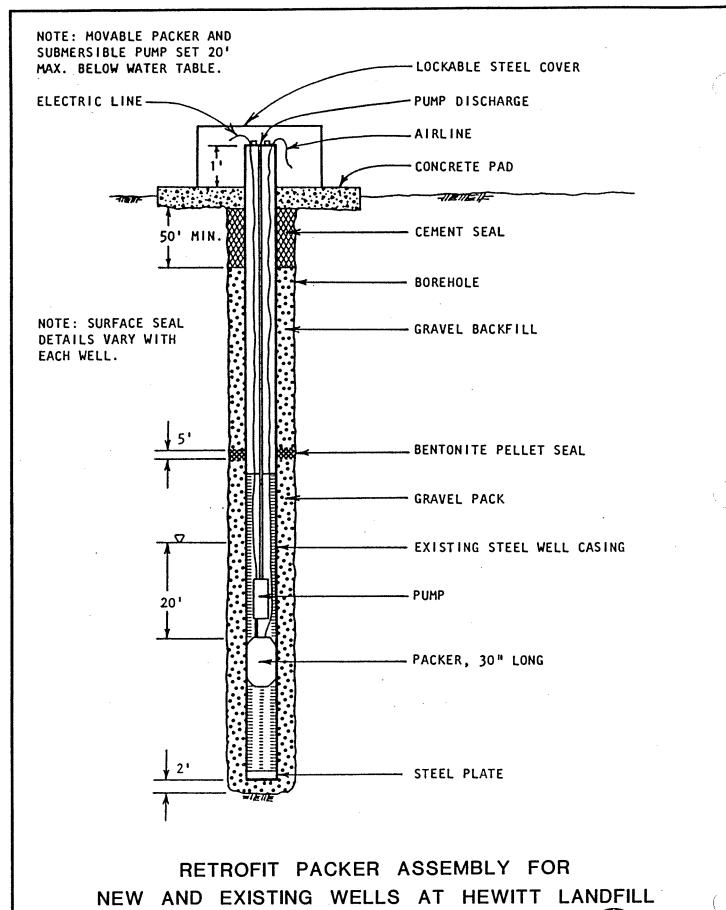
28-1057

PCE CONCENTRATION

SCALE 1" = 1000'





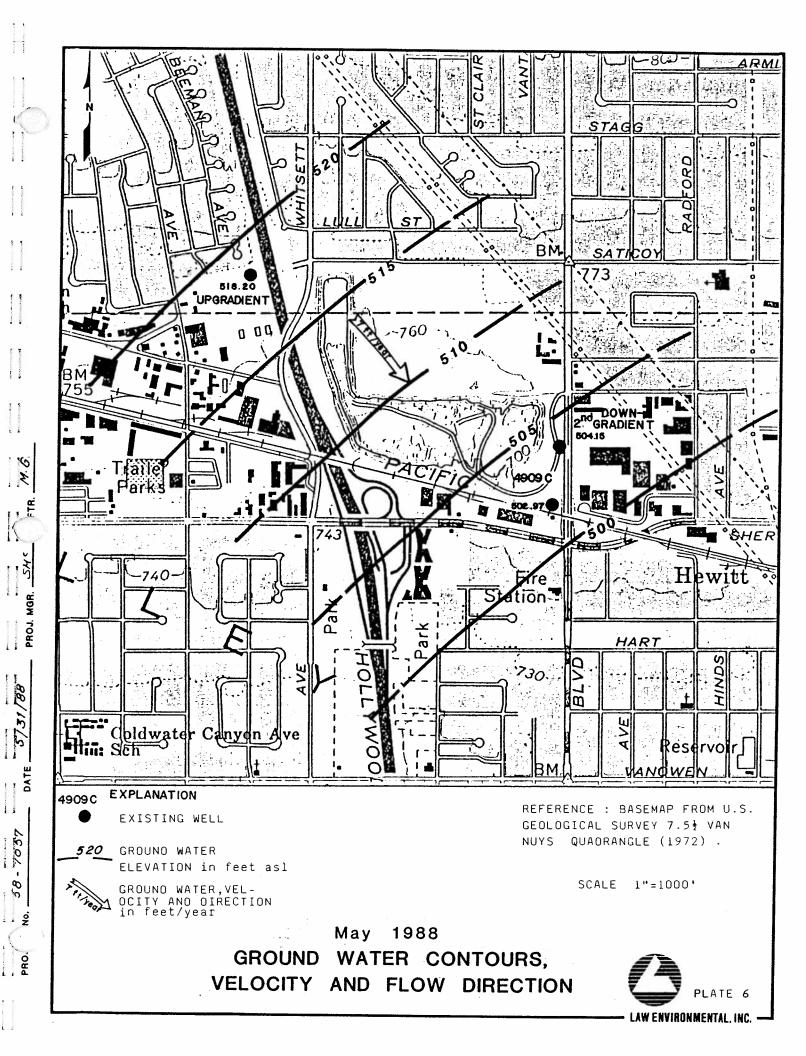


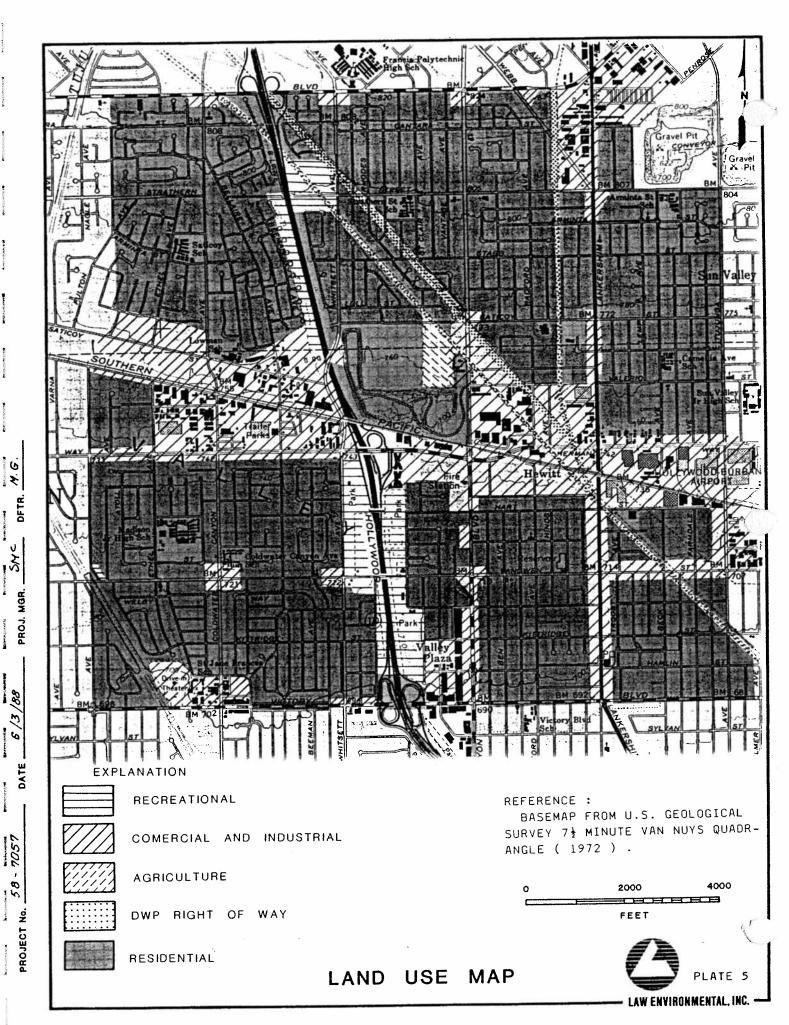
NOT TO SCALE



PLATE 7

- LAW ENVIRONMENTAL, INC. -





APPENDIX C WELL TEST DATA

WELL TEST DATA

Project No.: <u>58-9057</u>

Date of Test: <u>12/17/</u>37

Well No .: SECOND DOWNCARD

Static Water Level: 252.3 feet

Time	t	t'	t/t'	h	h'	Q	Remarks
	0			252.3			Turn on Purp
	0.5			252.3	0	200	Turn on Rung Clean water
	1			252.3	0		
	2			253.5	1.2		
	3			253.5	1.2		
	4			2535	1.2		
	5			253.5	1.2	<u> </u>	
	6			253.5	1.2		
	7			2535	1.2		
	8			253.5	1.2		
	9		·	253.5	1.3		<i>'</i>
	10			253.5	1.2		
	16			253.5	1.2		·
·	22			253.5	1,2_		
	30			253.5	1.2		
-	35			253.5	1.2		•
	40			253.5	1.2		
٠	45			253.5	1.2		•
	50			253.5	1.2		
	55			253.5	1.2		
	60			253.5	1.2		Z= 60°F
	70			253.5	1.2		
	80			253.5	1.2		
	90			253.5	1.2		
	100			253.5	1.2		clear water
•	110			253.5	1.2		
	120			253.5	1.2		
	130			253.5	1.2	200	
	150			253.5	1.2		SHUT PUMP OFF
			_				

APPENDIX D PERMEABILITY CALCULATIONS



LAW ENVIRONMENTAL, INC.

3420 NORTH SAN FERNANDO BLVD. SUITE 200 BURBANK, CA 91504-2569 818-848-0214

JOB NO. <u>58-7057</u>	SHEET	OF
JOB NAME		
BY	DATE	
CHECKED BY	DATE	

$$T = (1440)(200/1.2') = 240,000 \, 3al/ft/day$$

$$= 7.48 \, cF = 32,085 \, ft/day$$

$$V = \frac{Ki}{51/20} = \frac{320 \times \frac{20}{4600}}{1.20} = 6.97 \text{ Say 7}$$

COMPLETION REPORT
CONSTRUCTION OF UPGRADIENT MONITORING WELL NO. 1
HEWITT LANDFILL, NORTH HOLLYWOOD DISTRICT
LOS ANGELES COUNTY, CALIFORNIA
FOR
VALLEY RECLAMATION COMPANY

February 12, 1985

Valley Reclamation Company 3200 San Fernando Road Los Angeles, California 90065

(Our Job No. E-81001)

Attention: Mr. George Cosby

Gentlemen:

Correction of Completion Report Dated 01-03-85 Construction of Upgradient Monitoring Well No. 1 Hewitt Landfill, North Hollywood District, Los Angeles County, California, For Valley Reclamation

It has been called to our attention that there was an error on Page 5 of the subject completion report. The error has been corrected, and corrected copies of the page are enclosed for insertion in your report copies.

Please accept our apologies for this error and the resulting inconvenience.

Respectfully submitted,

Leroy Crandall and associates

Alie M Campbell Alice M. Campbell, C.E.G. 1157

Senior Staff Geologist

bу

Glenn A. Brown, C.E.G. 3 Director of Geological Services

GAB: AC/jj6cc Enclosures (5 copies submitted)

cc: Los Angeles Regional Water Quality Control Board

Attn: Mr. Dick Harris

Los Angeles Department of Water and Power

Attn: Mr. Mel Blevins Attn: Mr. Tom Gibson

Los Angeles Bureau of Sanitation

Attn: Ms. Sheila Molyneux

January 3, 1985

Valley Reclamation Company 3200 San Fernando Road Los Angeles, California 90065

(Our Job No. E-81001)

Attention: Mr. George Cosby

Gentlemen:

Submitted herewith is our completion report for the new upgradient The report contains a description of well construction details and alluvial materials beneath the well site.

Respectifully Submitted,

Leroy Crandall and associates

Alice M Canpbell Alice M. Campbell, C.E.G. 1157

Senior Staff Geologist

bу

Glenn A. Brown, C.E.G. 3

Glenn a Brown

Director of Geological Services

GAB:AC/jj4r (5 copies submitted)

cc: Los Angeles Regional Water Quality Control Board

Attn: Mr. Dick Harris

Los Angeles Department of Water and Power

Attn: Mr. Mel Blevins Attn: Mr. Tom Gibson

Los Angeles Bureau of Sanitation

Attn: Ms. Sheila Molyneux

COMPLETION REPORT

CONSTRUCTION OF UPGRADIENT MONITORING WELL NO. 1
HEWITT LANDFILL, NORTH HOLLYWOOD DISTRICT
LOS ANGELES COUNTY, CALIFORNIA

FOR

VALLEY RECLAMATION COMPANY

INTRODUCTION

This report describes the construction of the Hewitt Landfill upgradient Monitoring Well No. 1. The monitoring well is designed and located to allow measurement of ground water quality upgradient of the closed Hewitt Landfill facility, and to provide background water level data. The monitoring well is placed to allow detection of any ground water degradation from upgradient sources. Plate 1, Well Location Map, shows the location of the monitoring well with respect to the Hewitt site. The well is located in the southern parkway of the North Saticoy Street cul-de-sac, approximately 100 feet west of the Hollywood Freeway.

CHRONOLOGY OF WORK

All work pertaining to the location and construction of the well was carried out in accordance with the design details prepared for the well by our office. All work related to construction and development of the wells was conducted by Howard Pump Company of Barstow, California, under the observation of LeRoy Crandall and Associates. The work was carried out between October 29 and November 1, 1984.

WELL CONSTRUCTION AND DEVELOPMENT

The mud rotary drilling method was used to construct the monitoring well. The well was constructed by drilling a 12½-inch borehole to design depth. An Electric Log of the well was made after borehole drilling and prior to casing installation. An 8-5/8 inch outer diameter steel casing was placed in the borehole. The well casing is perforated in the lower 160 feet with milled slots. The annular area of the borehole was backfilled with rounded, clean pea gravel (3/8-inch) to 10 feet above the perforations. A layer of bentonite pellets was installed over the gravel pack. The remaining annular area was sealed with a lean concrete mix from the top of the bentonite to ground surface. Table 1 contains pertinent well construction information. Plate 2, Well Construction Details, illustrates the construction details of the monitoring well. Appendix A contains the E-Log, Water Well Drillers Report and Test Pump Data.

TABLE 1
MONITORING WELL CONSTRUCTION DETAILS

MW	Ground Surface	Borehole Depth	Casing* Depth	Cas: Perfora	- 0	Gravel	Packed	Seal	Led
No.	Elevation	(ft.)	(ft.)	From	То	From	То	From	To
1	769	290	290	120	280	110	290	0	110

NOTE: (*) All casing 8-5/8-inch O.D. steel casing. (**) Casing perforated with $3/32 \times 2-1/2$ -inch milled slots, 18 slots per foot. (MW) Monitoring Well.

The well was developed by pumping at rates up to 100 gpm with an electric submersible pump. The well was pumped first for $6\frac{1}{2}$ hours, and then for 30 hours. At the end of the development phase, water samples were collected. At the time of sampling, the water was clear.

HYDROGEOLOGIC CONDITIONS

Borehole drilling encountered alluvial sands and gravels with occasional boulders and fine grained layers, similar to those found throughout this part of the San Fernando Valley. Ground water was encountered at a depth of 213 feet, which corresponds to an elevation of 546 feet above sea level.

WATER QUALITY

General

The water samples collected at the end of the development period were immediately sent to Brown and Caldwell Laboratory in Pasadena, and by the Los Angeles Regional Water Quality Control Board to the State laboratory. The water samples were analyzed for volatile organic compounds and general mineral content. The results of both sets of analyses are in Appendix B. The general mineral quality of the water shows that it meets general drinking water standards for inorganic compounds. Excessive levels of trace organics, however, will require treatment to produce acceptable drinking water.

Inorganic

The following Table 2 shows the mineral quality objectives for the area of the Hewitt Landfill, and the results from the new monitoring well. The information is taken from the Regional Water Quality Control Board (RWQCB) Basin Plan (1975), Appendix C.

TABLE 2
MINERAL QUALITY OBJECTIVES FOR GROUND WATERS

	Objective (mg/l)										
San Fernando Subunit:	TDS	Sulfate	Chloride	Boron							
North Hollywood-Burbank Area:	600	250	100	1.5							
Monitoring Well Water Quality:											
Well No. 1	420	220	22	wa en en							

The general mineral quality in the vicinity of he Hewitt Landfill is within the RWQCB objectives. The water is a calcium bicarbonate type with high (300 ppm) total hardness. The pH is slightly alkaline and total dissolved solids are moderate.

Organic

The RWQCB has not yet established organic compound objectives for water in the San Fernando Valley. However, the EPA has made available water quality criteria for some toxic pollutants. At a 1 per million risk level, the EPA exposure estimates are shown in the following table.

TABLE 3
EPA WATER QUALITY CRITERIA - 45 FR 79318
(10⁻⁶ Risk Level)

TCE		 	 . 2.7 ug/1
PCE		 	 . 0.8 ug/1
Carbon Tetra	achloride	 	 . 0.40 ug/1
1, 2, DCA		 • • •	 . 0.94 ug/1

TABLE 4
SUMMARY OF TCE AND PCE DATA
October, 1984
(ug/1)

Well:	Brown and Caldwell #1	Department of Health Services
PCE	3	
TCE	0	
All Other	31	25

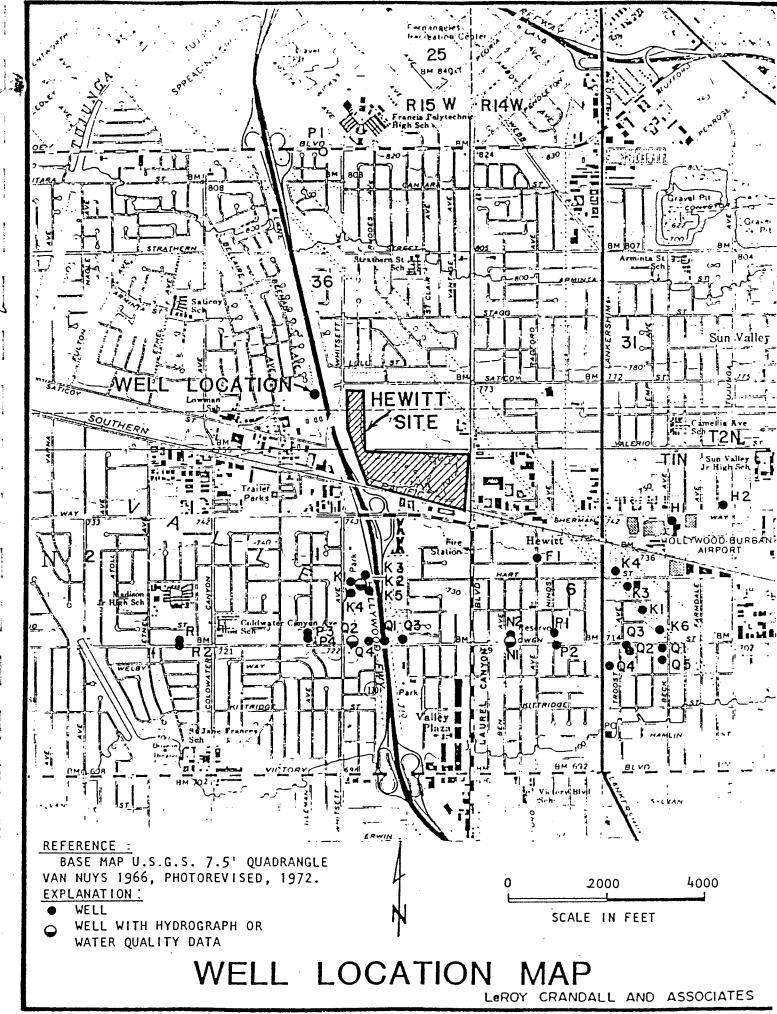
Using these figures as guidance, the ground water upgradient of the closed Hewitt Landfill could be considered marginally suitable for drinking without treatment.

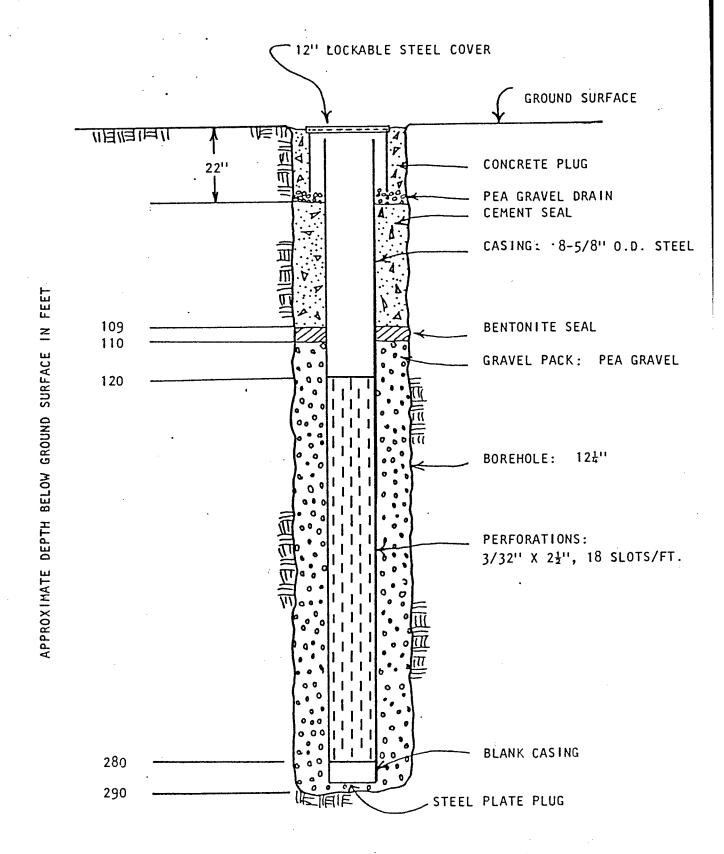
In addition to the constituents already named, other compounds are present which indicate ground water contamination. These compounds include petroleum hydrocarbons, xylenes, benzene, and toluene. These compounds are found in gasoline and diesel fuel. The levels of these compounds vary from less than 1 ug/1 to over 20 ug/1 (total) in the new monitoring well.

CONCLUSIONS

- 1) On the basis of our observation of well construction, the well was completed as designed. No unusual or unexpected geologic conditions were encountered during drilling. The well should, therefore, be suitable its intended purpose as a monitoring well.
- 2) Evidence of contamination of ground water was obtained from the well. The type of contamination indicates that the source is probably aged gasoline and industrial solvents, and that the sources are located upgradient of the Hewitt Landfill.

The following	ng an	:e	at	:ta	ct	ıed		ind	1 (c on	ıp.	lete this report.
Plate 1		•				•	•	•	•	•	•	Well Location Map
Plate 2			•				•			•	•	Well Construction Details
Appendix A		•		•		.•	•		•	•	•	Well Drilling Data
				•		•	•	•	•	•		E-Log
			•	•	•	•	•				•	Water Well Drillers Report
					•	•		•	•	•	•	Test Pump Data
Appendix B				•		•	•	•	•	•	•	Water Quality Data
			•					•	•	•	•	Water Quality Analyses - Brown & Caldwell Laboratories
	• •	•	•	•	•	•	•	•	•	٠.	•	Water Quality Analyses - California Department of Health Services Laboratory





CONSTRUCTION DETAILS
HEWITT MONITORING WELL No.1

LeROY CRANDALL AND ASSOCIATES

P.O. Box 11744, Santa Ana, California 92711-1744 (714) 558-8333 Telex Number: IRIN 188747
P.O. Box 153, Santa Clara, California 95052-0153 (408) 727-0330
P.O. Box 1648, Bellevue, Washington 98009-1648 (206) 746-6665

SANTA CLARA OFFICE April 25, 1988 Lab No. 11215

LAW ENVIRONMENTAL, INC. 3420 N San Fernando Blvd Suite 200 Burbank, CA 91504

RECEIVED
LAW ENVIRONMENTAL, INC.
APR 27 1988
File
······

RE: SAMPLES REC'D: 4-15-88

Sample No.	Moisture Content	Description
· 21	5.2	58-7056 GLW-88-1
22	40.4	10' Gregg Swat 58-7056 GLW-88-1
23	18.3	20' Gregg Swat 58-7056 GLW-88-1
24	23.4	30' Gregg Swat 58-7056 GLW-88-1
25	18.0	40' Gregg Swat 58-7056 GLW-88-1
26	17.9	50' Gregg Swat 58-7056 GLW-88-1
27	12.4	60' Gregg Swat 58-7056 GLW-88-1
28	11.4	68' Gregg Swat 58-7056 GLW-88-1 70' Gregg Swat
31	17.5	Hewitt HLW-88-1 58-7057 10'
32	15.0	Hewitt HLW-88-2 58-7057 20'
33	1.1	Hewitt HLW-88-3 58-7057 30'
34	0.5	Hewitt HLW-88-5 58-7057 Sample 5
35	1.1	Hewitt HLW-88-6 58-7057 Sample 6
36	2.1	Hewitt HLW-88-7 58-7057 Sample 7

Data are supplied without recommendation or comment.

LORI JEPTILEFORD

Analytical Laboratory Director

LITHOLOGIC LOG

Project	No.:	58-7057	Well No.: <u>Hewitt Leachate Well</u> Page 2
Depth (feet)	Sample Interval	Graphic Log	Description of Materials
			Sand: small amounts of gravel; buff to tan; slightly moist; som demolition debris. Minor amount of silt.
70			Micaceous; rock chips representative of rock in adjacent San Gabrie Mountains and what is expected of native material in area.
			Total depth: 761
80 -			
Remarks	3:		

LITHOLOGIC LOG

								
Owner:	c	alMat				Project No.:	58-705	7
Location	n:	Hewitt Lar	dfill			Well No.:		
						Page 1 of	2	
Logged	by:	Steve F	kArdle					i i
Drillin	g Method:	Air R	otary			d:		
Borehol	e Depth:		76	feet	Static Water I	Level:	dry	
Borehol	e Diameter	:	6	inches				
		6**						
		bott					Yield:	
Ground 1	Elevation:			feet/asl	Electrical Co	nductance:		_ micromhos
					Specific Capa	city:		gpm/ft
Depth (feet)	Sample Interval			Desc	ription of Hater	ials		
			FILL	Silt, sand, and	d gravel: no tra	sh; tan to gray	; slightly m	oist.
		*		• •	_	•		
l				China of upod	common, paper	and plactic p	nt seen. mat	ecial in a
			1	matrix of silt	y sand: black;	small amounts	of gravel;	slightly to
[st. Little or n			•
[* *						
10								
ł								
		* * *						
i				Increase in g	ravel amount;	pieces of pap	er, plastic	and metal
=				noted.				
								,
20 -		•						
İ			1					
			1	At 25', paper	(including carbo	on paper), plas	tic. Drill	bit clogged
ĺ		·		up, as drillin	ng slow and no m	naterial showir	ng up in dri	ller's box.
l		* - * - * - * - * - * - * - * - * - * -		material that	clogged up bit i	s pulverized sk	od/caroboal d	•
30		* *- *- \		Sand and grave	l: gravel amount	80% - demoliti	ion debris, n	o trash.
- 1			1					
l								
		• • . •	1					
l								
.		7						
40				-				
1		. v v v						
50				Increase in sar	nd amount - demo	lition debris,	no trash.	
		- -						
						-		
	•		1					
1								
Remarks	<u> </u>	<u> </u>	1					



APPENDIX E

LEACHATE WELL LOGS

AND REFUSE MOISTURE CONTENT

-LOCKABLE VAULT LYSIMETER CAP CONCRETE CAP SEAL BACKFILL 10" BOREHOLE DIA. 2" TIMCO THREADED PVC CASING BENTONITE SEAL No.3 MONTEREY SAND 2" TIMCO TEFLON LYSIMETER BODY AND TRANSFER VESSEL IN SILICA FLOUR PACK

LYSIMETER HLS 88-2 CONSTRUCTION DETAILS HEWITT UPGRADIENT

NOT TO SCALE



LAW ENVIRONMENTAL, INC. -

LITHOLOGIC LOG

_	y: V	ntum Explo Ince Richa	rds			Well	No.: <u>H</u>	LS-88-2 ((Lysimeter)
Location: Drilling	, <u>_</u>								
Drilling	. Sa	tiony St							
_			(cul de sac) west o	of Hollywoo				_	
	Method:		Stem Auger		Date Comple		04-26-8	8	
Borehole	Depth:	50'			Borehole Dia	ameter:	10"		
Casing:									
Perforati	ions:								
					Drawdown:			Yield: .	
Specific	Capacity	:	gpm/ft		Electrical				
Ground El	levation:				Top of Casi	ng Eleva	tion:		
Depth (feet)	Sample Interval			Descri	ption of Mat	erials			
10 - 20 - 30 -			SAND AND GRAVEL	gravel. of metan	rey fine to Gravels and morphic and ell graded.	re subar	ngular to	rounded	coarse and composed uvium slightl
50 -				Total D	epth: 50'				

LYSIMETER HLS 88-1 CONSTRUCTION DETAILS HEWITT DOWNGRADIENT

NOT TO SCALE



LITHOLOGIC LOG

Owner:			Project No.: <u>58-7057</u>
Orilled !	by: Datum Exp	oloration	Well No.: HLS-88-1 (Lysimeter)
Logged b	v: Vince Ric	hards	
Location	Calmat Storac	ge Yard 🛢 Laurel Cany	on and Sherman Way
Drilling	Method: Hollow	Stem Auger	Date Completed: 04-12-88
Casing:			
Perforat			
Static W	ater Level:		Drawdown:Yield:
Specific	Capacity:	gpm√ft	Electrical Conductance: micromhos
	levation:		Top of Casing Elevation:
Depth (feet)	Sample Graphic Interval Log		Description of Materials
	8.080V	SAND AND GRAVEL	Light grey fine to coarse sand and fine to coarse
	့ ဝ ဗုိဝ	3	cobble gravel. Gravels are subangular to rounded
	62.20	•	and composed of metamorphic and igneous material.
	0000		Alluvium slightly damp, well graded.
	0.0.0	.d	
10 -	5.850	4	
-	0.00		
	þ		
	6,680)	·
	0000		
	8.00		•
20 -	8.0.00	đ	
	2.00		
	0,000	eg .	
	0000	व	
	00.00	·*	
	1 5000	,	
3 0 -	.08.8	i i	Gravel size decreasing, mostly fine to medium pebble
	200	3	gravel. Abundant sand.
	0,0	<u>.</u>	
	5000		
	66.89		
	0.000		•
40 -	7 5.8.8		
*	0.000		
	00000	0 4	
	8.00	2	
	0.00	Ĭ.	
50			Gravel increasing in abundance.
JU			Total depth: 52'
			Total deptil. 72
	.		
Remarks	:		



APPENDIX D LYSIMETER WELL LOGS AND CONSTRUCTION DETAILS

April 19, 1984 J/N 29220 - Page 2

Parts Per Million (v/v)

Compound	<u>Hewitt</u>
Ethane	11.6
Ethylene	6.1
Propane	4.4
Propylene	
iso-Butane	4.7
n-Butane	1.6
Butenes	TR<1
iso-Pentane	2.1
n-Pentane	TR<1
·	TR<1
Pentenes	ND<1
Hexanes	TR<1
Heptanes	9.2
Benzene	2.7
Toluene	9.5
Vinyl Chloride	2.0
Trichloroethylene	1.7
Perchloroethylene	2.9
= = = +···= = = +··· 2 = = ···	4,7

ND - This compound was not detected; the limit of detection for this analysis is less than the amount stated in the table above.

TR - Trace, this compound was present, but was below the level at which concentration could be determined.

GAS ANALYSIS

		·				
		-				
						<u> </u>
	•		•	•		
₁	State of California - Department of Sanitation and Radiation Laboraton	Health Services	Oa Oa	te Received	Lab. No.	·
-	Southern California Laboratory Ser SAMPLE FOR CHEMICAL AP Purveyor and Address (includ	HALYSIS	Sy	//	Senat Number	
	PRIEN KEERS	m MONOHEW	ITT PIT	itected by	C 07973 Date and Hour Collected	
•	Sampling Point NEW WEI	レガーン	BST 1	CAMSTERT	149-84 12.15	-
- .	Type of Raw Surface Semple Drinking Wate	Water Waste water:		wss Dist. /	County HD National Park Serv.	
	☐ Raw ☐ Treated	Trade Waste	Or WELL	BAWOCB / 4	Other	-
	GENERAL MIN	ERAL ANALYSIS	Results are expressed as in	(on/	d (specify):	
		(mg/las Ca CO ₃) Hard- ness .	AI	- COD-	1mg/2	<u> </u>
	□Mg □□.	□нсо₃ □ □.				ļ
	Fe Total	□co ₃		= CN^-	LO. 00/ mg/2	Ĺ
	OMn	OH				
 _	Na			= Plant	- 0,002 ,-, 14	
	рн .	□so₄	Ni		d	
(2·80)	Total Ois- solved Solids		O zn	Date Reported	Analyst	·]
.B-800		□NO ₃ □ □			<u> </u>	. <u>.</u>
Form LAB-800 (2-80)	Turb. TU Soec. Cond µ mhos/cm	□NH ₃ ·N	Grease	Set Solids	☐ MBAS]
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Market of the control			
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<u></u>			Date Received Lab. No.
. Command		Sanitation and Radiation Laboratory Section Southern California Laboratory Section SAMPLE FOR CHEMICAL ANALYSIS	11-8-84 (Leave Blank) 13586
***************************************	1	Purveyor and Address (include city and county)	System Number Serial Number C 7973
i i	1	Sampling Point H 1	Collected by Date and Hour Collected
f		NEW WEN 2/-WEST	Send WSS Dist. # County HD
	•	Type of Raw Surface Water Waste water: Sample Drinking Water Raw Chlorinated	Report DOT Dist. # National Park Serv.
[Y		☐ Raw ☐ Trade Waste ☐ Treated ☐ Other ☐ OTHER	ERWOCE / _ Other
		Results are expressed a	
		(mg/las Ca CO ₃)	
1 1	٠.		
Mathematica et a programme	•	□Ca □ □ □ Hard □ Ag □ Ag □	= COD - 1mg/2
	•	□Ca □ □ · □ · □ · □ · □ · □ · □ · □ · □ ·	- COD - 1 mg 12
Sp. C. Language	•	Ca Hard Ag Ag Ag Ag Ag Ag Ag Ag Ag Ag Ag Ag Ag	= COD - 1 mg 12 = CN - 20,001 mg/k
Bandanian Andrea	•	□Ca □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	
		□ Ca Image: Case of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of	
		□ Ca <td< th=""><th>CN - 10,00/13/2 - CN - 20,00/13/2 Phonot - 0,002 mg/c</th></td<>	CN - 10,00/13/2 - CN - 20,00/13/2 Phonot - 0,002 mg/c
	(2.80)	□ Ca Ag Ag Ag	Date Reported Analyst
	B-800 (2-80)	□ Ca □ Hard □ Ag □ Mg □ HCO3 □ HCO3 □ As □ B □ Cd □ Mn □ OH □ Na □ Total Alk □ K □ Cl □ Pb □ Ni □ PH □ SO4 □ No3 □ No3	Date Reported Analyst 1-9-8-4 155
	om LAB·800 (2·80)	□ Ca	Date Reported Analyst
	Form LAB-800 (2-80)	□ Ca □ Hard □ Ag □ Mg □ HCO3 □ HCO3 □ As □ B □ Cd □ Mn □ OH □ Na □ Total Alk □ K □ Cl □ Pb □ Ni □ PH □ SO4 □ No3 □ No3	Date Reported Analyst 1-9-8-4 155
	Form LAB-800 (2·80)	□ Ca	Date Reported Analyst
	Form LAB-800 (2-80)	□ Ca	Date Reported Analyst
	Form LAB-800 (2-80)	□ Ca	Date Reported Analyst
	Form LAB-800 (2-80)	□ Ca	Date Reported Analyst

Sel Salids

Grease

ORG-N

MBAS

AN ATTACHMENT TO LAB-804 SAMPLES FOR CHEMICAL ANALYSIS

HEWITT PIT NEW WELL #1

LAB NUMBER:	13573	·
SERIAL NUMBER:	C 079 70	·
ANALYST:	P. #	
DATE REPORTED:	11-9-84	
1		
	Vo A	
1. n- pentan	-e	
	chitallite bydrocastom Co	
3. Digropyl		
 4. Benjene		
 5 telvene	·	
	thylene = 1.9 mg/l	
	engene = 2.3 eg/l	
1	nes = 9.8 ey/L	
	e = 3.4 m/2	
13. 11 - propyl	benjene = trace	
· ·		
12 trinetty.	l benjene isomies	
13 34,4,7,74.	tetrehydro-4,7-methanoinden	-e_ :
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LOG NO: P84-11-118

Received: 08 NOV 84 Reported: 06 DEC 84

Leroy Crandall & ASSOCIATES 711 N. ALVARADO ST. LOS ANGELES, CA 90026

ATTN: Alice Campbell

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAME	PLES	DATE SAMPLEI
11-118-1	HEWITT WELL #1		08 NOV 84
PARAMETER		11-118-1	
Extraction crolein, Acrylonitr Ethylbenze Tetrachlor Toluene, u Other Pur	ug/L ile, ug/L ne, ug/L oethylene, ug/L	11/19/84 <10 <10 3 3 8 <1	
: F	omers, ug/L	20	
total ion	fication based upon comparison of count of the compound with that of the nternal standard	ne	
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Edward Wilson, Laboratory Director

ANALYTICAL LABORATORIES

LOG NO: P84-11-118

Received: 08 NOV 84 Reported: 06 DEC 84

Corrected Report

12/17/84

Lergy CRANDALL & ASSOCIATES 711 N. ALVARADO ST. . LOS ANGELES, CA 90026

ATTN: Alice Campbell

REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE DESCRIPTION,	GROUND HATER SAMPLES	DATE SAMPLED
11-118-1 HEWITT WELL #1		08 NOV 84
PARAMETER	11-118-1	
Carbonate Alk (as CO3), mg/L Bicarbonate Alk (as HCO3), mg/L droxide Alk (as CaCO3), mg/L Calcium (EDTA Titration), mg/L Magnesium, mg/L Chloride, mg/L Copper, mg/L Surfactants, mg/L Iron, mg/L Manganese, mg/L pH, Units Potassium, mg/L Sodium, mg/L Sodium, mg/L Sulfate, mg/L Specific Conductance, umhos/cm Filterable Residue, mg/L Nitrate (as NO3), mg/L	0.0 300 0.0 11 14 3.2 <0.06 <0.1 <0.059 <0.032 7.8 3.5 34 220 830 420 <0.013 15	

HOWARD PUMP, INC. TEST PUMP DATA

OF WELL DESIGNATION/LOCATION : HEWITE LandfilsTATIC WATER LEVEL 213' PUMP SETTING 271' AIRLINE 271' SHEET REMARKS WELL DEPTH 290' . . WELL DIAMETER TEST End Test. CONTENT SAND None None None None None None PUMPING LEVEL 215 215 215 215 215 215 DISCHARGE DRAWDOWN 7 7 2 7 7 7 Los Angeles, CA 90069 ADDRESS 3200 San Fernando Rd. RATE NAME Valley Reclamation 100 100 100 100 100 100 LENGTH OF TEST IN HOURS SPECIFIC CAPACITY TIME. 11-8-84 6:30 12:00 11:00 DATE/ 7:30 8:30 9:30

HOWARD PUMP, TEST PUMP DAIR

WELL DESIGNATION/LOCATIONHEWITT Landfill STATIC WATER LEVEL 213' NAME Valley Reclamation

OF PUMP SETTING 271' AIRLINE 271' SHEET 290 . . WELL DIAMETER WELL DEPTH Los Angeles, CA 90069 \ ADDRESS 3200 San Fernando Rd.

TEST

LENGTH OF TEST IN HOURS

DATE/ TIME 11-6-84	SPECIFIC CAPACITY	DISCHARGE RATE	DRAWDOWN	PUMP ING LEVEL	SAND	REMARKS
11:00		100	٠	213	-	
11:05			2	215	Ѕоше	
12:25		100	2	215	Little	
1:28		100	2	215	None	
2:30		100	2	215	None	Pump running fine, 32 amps.
3:00		100	2	215	None	
4:30		100	2	215	None	
5:30		100	2	215	None	Shut down.
11-7-84						
9:00		100	2	215	None	Started pump, slightly cloudy discharge, cleared up quick
7:00		100	2	215	None	
9:00		100	2 .	215	None	
10:30		100	2	215	None	Poured cement around vault.
11:30		100	7	215	None	
12:30		100	2	215	None	
2:00	,	100	2	215	None	
3:30		100	2	215	None	
4:30		100	2	215	None	
5:30		100	2	215	None	
00:9		100	2	215	None	Shut Down.

ORIGINAL

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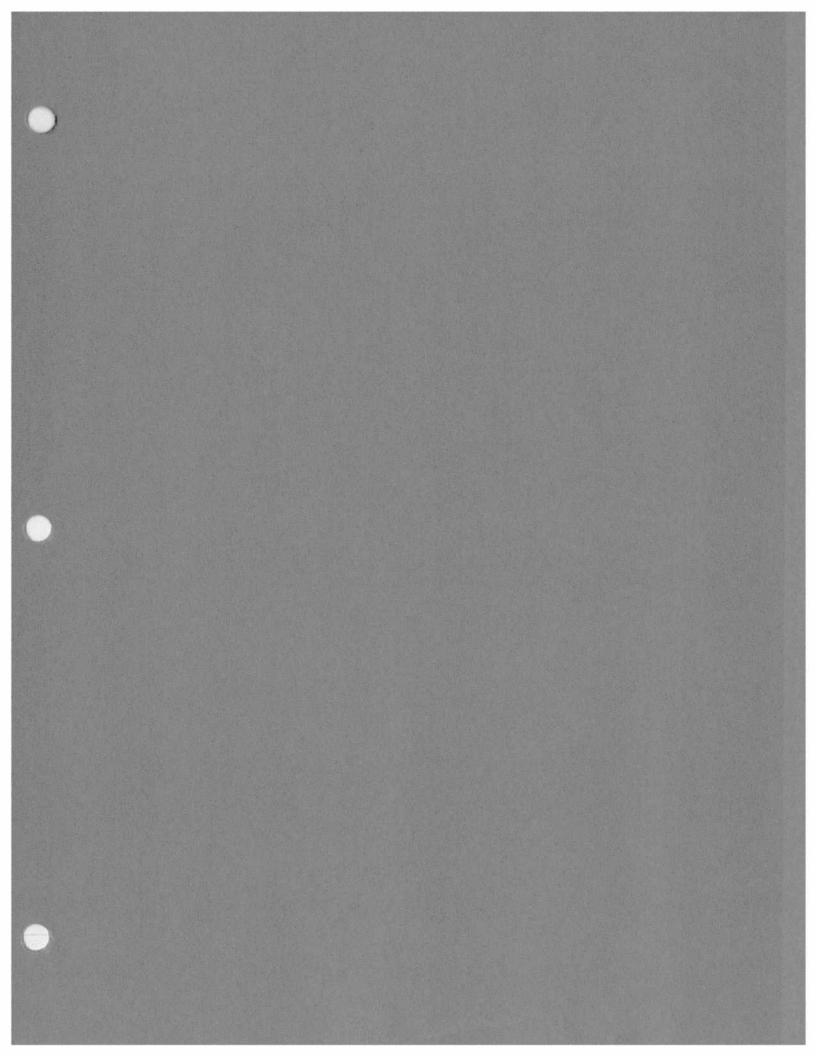
of Intent No. Customer cal Permit No. or Date Customer THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in 241871 No.

State Well No.





SOLID WASTE ASSESSMENT TEST (SWAT) SUPPLEMENTARY MONITORING REPORT

HEWITT LANDFILL (CLOSED)

NORTH HOLLYWOOD DISTRICT

LOS ANGELES, CALIFORNIA

Prepared For

CalMat Properties

July 1, 1989

Project No. 58-7057



June 29, 1989

3420 N. SAN FERNANDO BLVD. SUITE 200 BURBANK, CALIFORNIA 91504 818-848-0214 (FAX 818-848-1674)

Calmat Properties 3200 San Fernando Road Los Angeles, California 90065

Project No. 58-7057

Attention:

Mr. George Cosby

Vice President, Calmat Properties

Gentlemen:

SOLID WASTE ASSESSMENT TEST (SWAT)
SUPPLEMENTARY MONITORING REPORT
Hewitt Landfill (closed)
Laurel Canyon Boulevard north of Sherman Way
North Hollywood District, Los Angeles, CA

This report presents the results of surface, unsaturated zone and supplemental ground water sampling analyses and water level measurements from the Hewitt Landfill monitoring wells. This report contains four quarters of data and is the final SWAT Monitoring Report. It completes the 1988 data requirements by the Regional Water Quality Control Board (RWQCB), Los Angeles Region, under the Calderon Act.

The purpose of this supplemental report is to present data in compliance with the SWAT monitoring plan, which was approved by the RWQCB on November 2, 1987. Presented are the results of the

monitoring program, our interpretation of the data, and our conclusions on whether these sites are leaking hazardous compounds into the ground water. Our previous SWAT report, dated June 6, 1988, provides much of the background information necessary for this supplemental report and is an integral part of this study.

SWAT SUMMARY

The supplemental SWAT ground water monitoring plan for 1988 is essentially the same as the existing ground water monitoring program. SWAT monitoring was performed quarterly throughout 1988. The SWAT report was submitted to the RWQCB on June 6, 1988; analyses received after this date are presented herein as the SWAT supplementary monitoring report.

Site information is included in the SWAT proposal which was prepared in accordance with the Solid Waste Assessment Test guidance document by the State Water Resources Control Board, dated October 1986. This report has been prepared in accordance with the SWAT proposal and related correspondence.

Our previous SWAT report, dated June 6, 1988, contains site characteristics, hydrogeology data and our conclusions concerning

existing conditions at Hewitt Landfill. The previous work provided much of the information necessary for this report. The landfill was closed in 1979.

Our professional services were performed using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable geologists practicing in this or similar locations. No other warranty, expressed or implied, is made regarding the professional advice included in this report. This report was prepared for Calmat Properties by and under the supervision of certified engineering geologists with a minimum of ten years of experience in ground water hydrology.

GROUND WATER MONITORING PLAN

The monitoring well network for the landfill currently consists of three wells, as shown on Figure 1, Ground Water Contours. The direction of ground water movement, historically from northwest to southeast, was taken into account when selecting these monitoring well locations. The pattern of ground water flow has changed since the SWAT program began. Upgradient Well 4899 shows background water quality data. Downgradient Wells 4909C and 4909F provide data on the quality of water passing beneath the site.

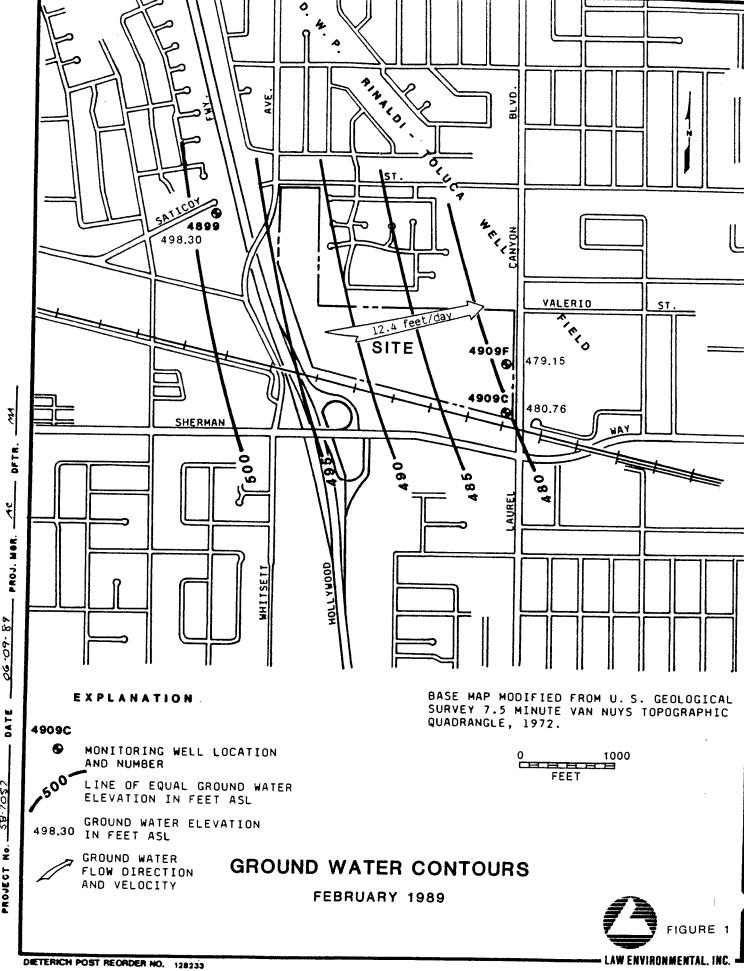


GROUND WATER LEVELS AND MOVEMENT

1988 ground water levels, measured quarterly, showed a decline of approximately 20 feet in all monitoring wells. Figure 2 is a hydrograph of downgradient Monitoring Well 4909C. In early Fall 1988, the ground water flow direction shifted 90 degrees to an east northeast flow direction. This water level decline and directional shift may be caused by the Department of Water and Power (DWP) decreasing pumping from its North Hollywood Well Field, southeast of Hewitt Landfill, and increasing pumping at the nearby DWP Rinaldi-Toluca Well Field, a linear well field located to the northeast (see Figure 1). As of March 1989, DWP is pumping 500 acre-feet per month of ground water from each of 8 water wells in the Rinaldi-Toluca Well Field, and has plans to pump 7 additional water wells.

WATER QUALITY

Water quality has been monitored at the Hewitt Landfill for five years. The monitoring program consists of selected field and laboratory analyses, including alkalinity, conductivity (EC), pH, general minerals, and selected organic and trace organic compounds. Temperature, pH, CO₂ (methane gas), EC and alkalinity are measured in the field. SWAT analyses for 1988 included EPA Methods 624 and 625 (volatile and semi-volatile organics), general minerals



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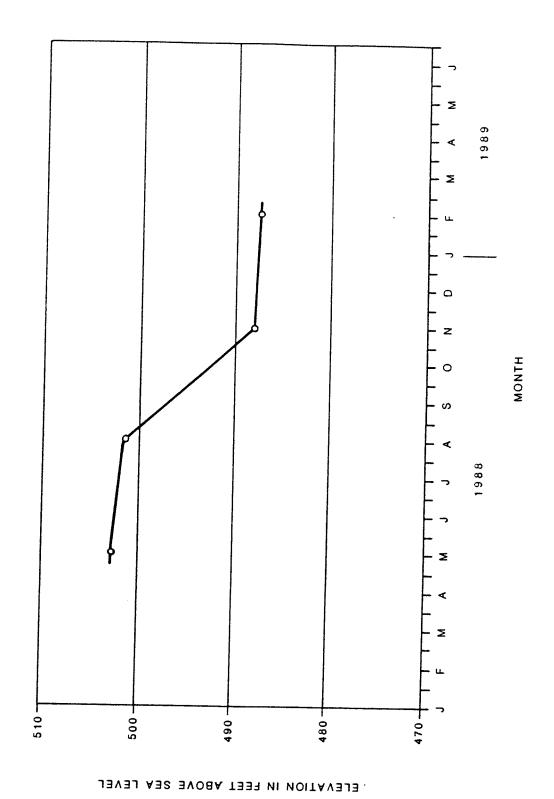


including boron and fluoride, ICP metals, COD (chemical oxygen demand), TOC (total organic carbon) and TOX (total organic halides). Results of the monitoring program through February 1989 are summarized in Appendix A. Laboratory analyses of the water samples collected in February 1989 are presented at the end of Appendix A, along with the standard Chain-of-Custody documentation.

The general trends noted in the 1987 SWAT report have continued in 1988. Both seasonal and long term water quality trends are apparent in the monitoring wells with increasing chloride levels and decreasing water levels becoming more pronounced. The statistical analysis shows that during the 1988 SWAT data collection period, inorganic and organic concentrations remained within the historical database range.

Ground water sampled in February 1989 from upgradient Monitoring Well 4899 showed an increase in ToC, COD and pH. Decreases were noted in NO₃ (nitrate), HCO₃ (bicarbonate), EC, and TDS (total dissolved solids). All other constituents remained constant.

Downgradient in Wells 4909C and 4909F, ground water samples from February 1989 showed elevated HCO_3 , Cl (chloride), and PCE (perchloroethylene), and decreased levels NO_3 and CO_2 . All other constituents remained constant. The trace amounts of volatile



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HYDROGRAPH OF MONITORING WELL 4909C





organic compounds found in water from the downgradient wells may be attributed to transport beneath the landfill from the upgradient area.

In order to interpret the water quality trends, a brief ground water flow explanation is necessary. The downgradient monitoring well analysis shows solvent levels that either represent a migrating solvent plume or contaminants released by the landfill. Assuming the average ground water flow velocity is 12.4 feet per day (February 1989, see Appendix B), solvents that first appeared in the upgradient monitoring well would take about nine months to appear in the downgradient monitoring wells. For example, in April total solvents (PCE, TCE (trichloroethylene), (dichloroethane), etc.) were less than 7 micrograms per liter at upgradient Monitoring Well 4899. This solvent concentration should be compared with the February 1989 analysis at downgradient Well 4909F, which shows a similar solvent level. It appears, therefore, that the Hewitt Landfill did not release the solvents as monitored in the downgradient monitoring wells in February 1989. Rather, the landfill was simply in the flow path of a migrating solvent plume.

The interpretation of water quality conditions shows many factors are simultaneously operating at Hewitt Landfill. All may affect water quality. Travel times will shorten as DWP increases pumping of the nearby Rinaldi-Toluca Well Field. Also, different

solvents travel in the ground water at different rates due to partitioning by clay particles. The landfill is within an aquifer that has been affected by human activity. The observed pattern of contamination suggests multiple small sources of contamination. Long term water level changes, as well as changes in flow direction, may also affect ground water quality. The low concentrations of all the downgradient monitored parameters (except hardness) indicate that the Hewitt Landfill is not measurably affecting water quality.

STATISTICAL DISTRIBUTION AND WATER QUALITY HISTORY CHARTS

Figure 3 is an example of how the statistical distribution graphs (Figures 4 through 9) work. Figures 4 through 16 were selected from the database for both representative conditions upgradient of Hewitt Landfill and to show the status of important indicator parameters. Each figure includes a brief data interpretation. Figures 4 through 9 are statistical distribution graphs for concentrations of selected parameters NO₃, Cl, pH (field), HCO₃, PCE and TOX at the three monitoring wells. Figures 10 through 16, the water quality history charts, show the variations in concentrations of selected parameters NO₃, Cl, HCO₃, PCE and TOX versus time for each monitoring well. The shape of the concentration curves on the charts show that substances spilled

close to a monitoring well are still highly concentrated and appears graphically as a narrow (because a small plume width takes a short time to pass the well) and high (high concentration) curve. On the other hand, a substance spilled some distance away from a monitoring well spreads out, resulting in dilution at the plume edges. This appears on the charts as a wide (because more time is taken for a wide plume width to pass the well) and low (lowering concentrations) curve. Figures 17 through 22 show the areal distribution of parameters NO₃, pH, HCO₃, Cl, and TOX.

SURFACE WATER SAMPLING

Surface water is not affected by the landfill because the trash is covered by up to 20 feet of earth fill. Any runoff would be affected by current land use at the site, which is used for outdoor storage yards for equipment and cars. Therefore, surface water sampling was waived for this site.

LYSIMETER RESULTS

Two lysimeters were installed at the landfill in April 1988. to monitor the vadose zone, the unsaturated sediments above the water table. Repeated attempts have been made to obtain samples from them with no success. We attribute this to the extremely adverse conditions where the lysimeters were installed. These



instruments are not physically capable of extracting pore water from sand, gravel, and boulders. The instruments develop up to approximately 6 atmospheres of vacuum, but in these materials pore water is held at 15 to 20 atmospheres.



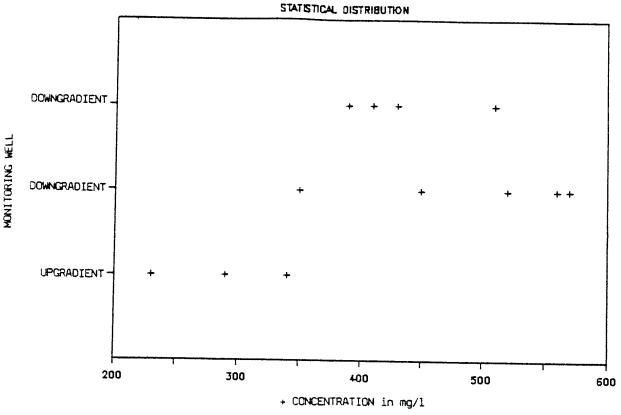


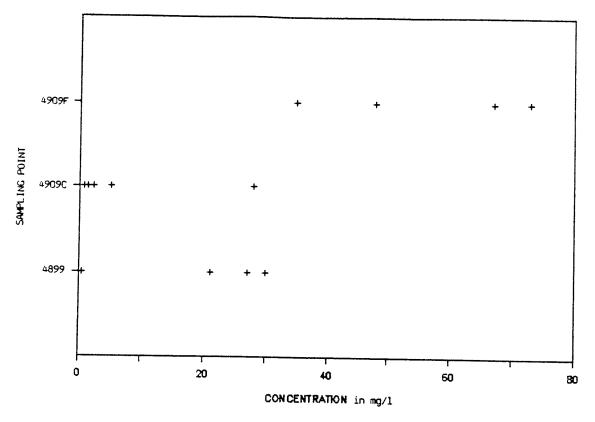
FIGURE 3

STATISTICAL DISTRIBUTION GRAPH EXAMPLE

This graph shows the frequency distribution for measurements concentration of one parameter at each well in a monitoring network. summarizes concentrations at all sampling times for each point. Using this graph, the data's mean, range and distribution may be visually estimated. In this case, downgradient levels considerably are higher than upgradient levels but are similar to each other, although one has a larger range than the other. This graph is the visual equivalent to calculating a T-distribution, which also compares means and standard deviations of upgradient and downgradient data sets.

Reference: The Elements of Graphing Data, 1985, Bell Laboratories by W. Cleveland.





STATISTICAL DISTRIBUTION OF NITRATE

Levels nitrate in downgradient Monitoring Well 4909F are higher than the upgradient Monitoring **Well 4899** downgradient Monitoring Well 4909C. Possible sources of nitrate could include previous surrounding land use. The wide point spread and persistent concentration levels at Well 4909F shows a fairly large plume (originating from a distant source) is migrating through the area.



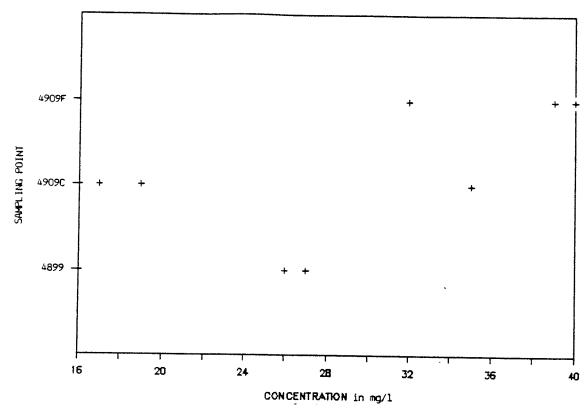


Figure 5 STATISTICAL DISTRIBUTION OF CHLORIDE

The split in chloride concentrations at downgradient Monitoring Well 4909C shows the existence of two chloride sources with varying water quality. This data indicates that Well 4909C receives ground water from two distinct aquifer subareas.



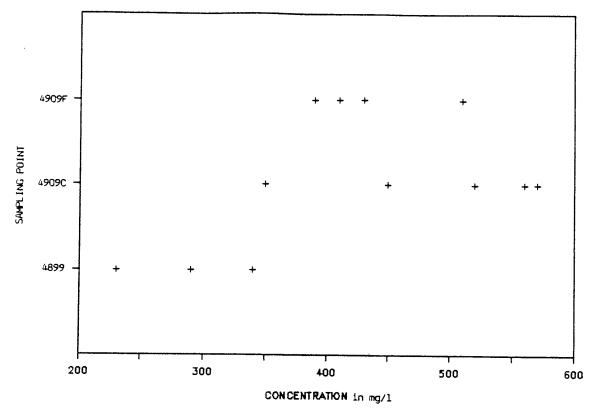


Figure 6
STATISTICAL DISTRIBUTION OF BICARBONATE

The higher bicarbonate levels downgradient of the landfill indicate the presence of landfill gas (CO_2). The CO_2 gas reacts with water to form bicarbonate.



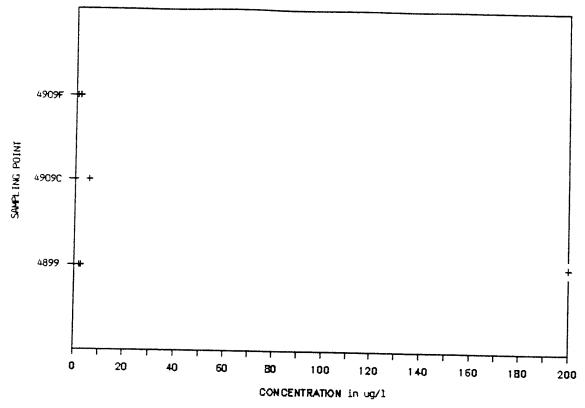


Figure 7 STATISTICAL DISTRIBUTION OF PERCHLOROETHYLENE

The single high concentration of perchloroethylene in upgradient Monitoring Well 4899 indicates a migrating solvent slug passed the area upgradient of the landfill in February 1987.



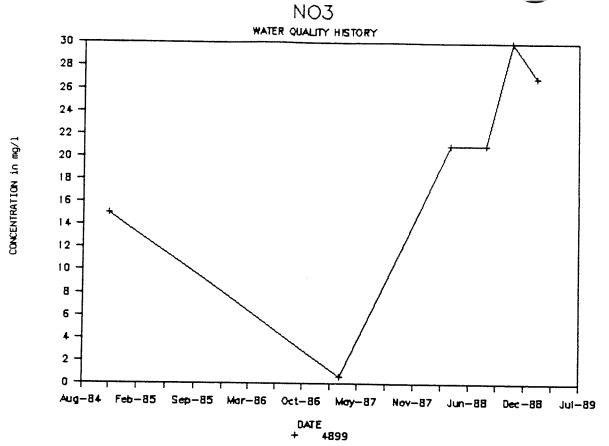


Figure 8
WATER QUALITY HISTORY OF NITRATE AT WELL 4899

This chart of Monitoring Well 4899 shows the passage of large nitrate slugs upgradient of the landfill.



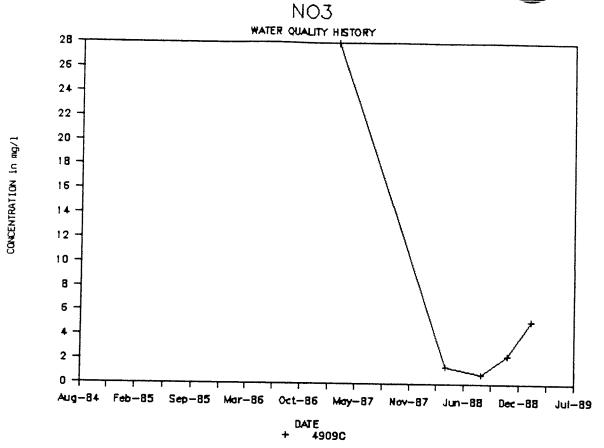
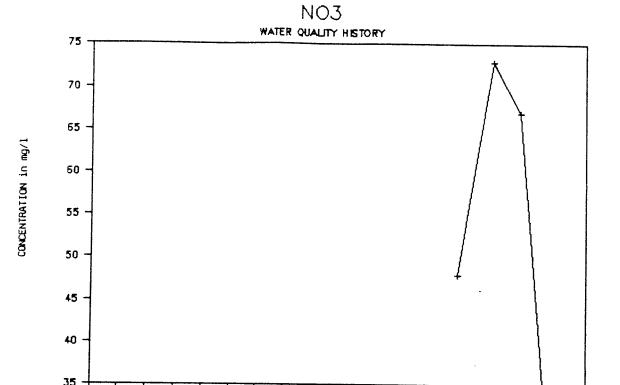


Figure 9 WATER QUALITY HISTORY OF NITRATE AT WELL 4909C

Downgradient Monitoring Well 4909C shows the passage of a large nitrate slug, similar in concentration to nitrate slugs seen in upgradient Well 4899 a year earlier.





Aug-84 Feb-85 Sep-85 Mar-86 Oct-86 May-87 Nov-87 Jun-88 Dec-88

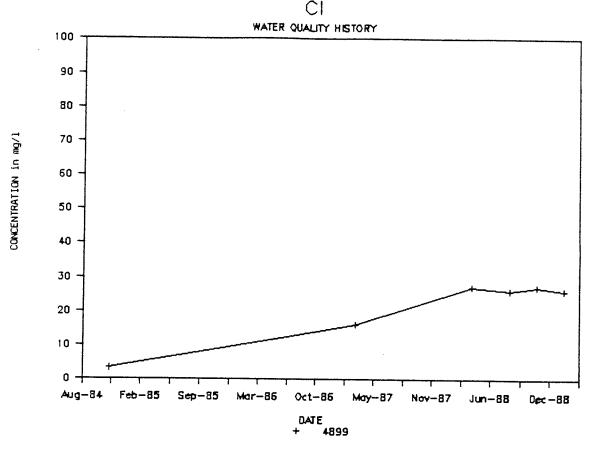
DATE
+ 4909F

Figure 10

WATER QUALITY HISTORY OF NITRATE AT WELL 4909F

Downgradient Monitoring Well 4909F has higher nitrate concentrations than downgradient Monitoring Well 4909C. This variation in concentration may be due to either different concentrations in passing nitrate slugs, different nitrate sources, or a closer nitrate source.

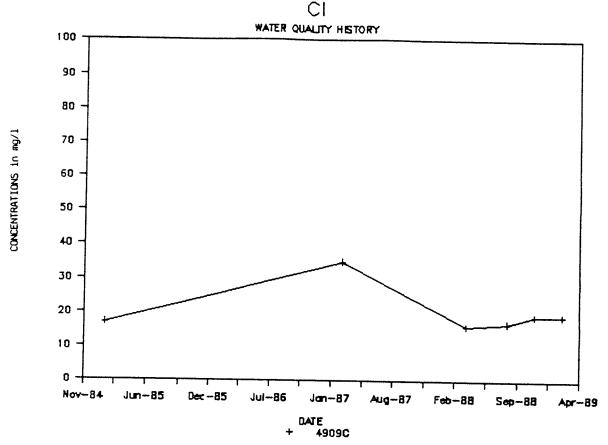




WATER QUALITY HISTORY OF CHLORIDE AT WELL 4899

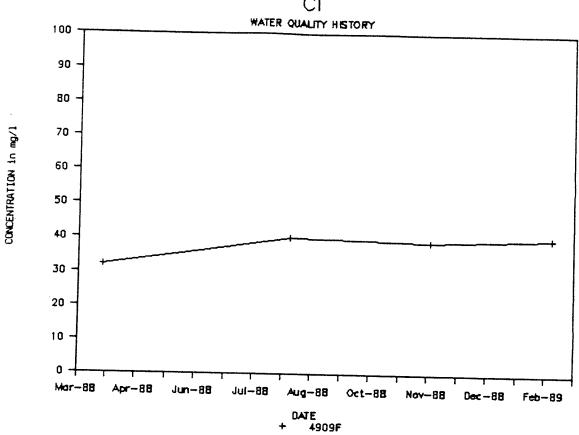
There has been an overall rise in chloride concentration levels in upgradient Monitoring Well 4899 since November 1984. These rising levels could be in part related to the decrease in ground water levels, driving poorer quality water out of less permeable zones in the aquifer.





WATER QUALITY HISTORY OF CHLORIDE AT WELL 4909C

Note the overall decline in chloride concentration levels from January 1987 to February 1988 at downgradient Monitoring Well 4909C. This decrease may partially be due to the changing ground water flow direction caused by the Department of Water and Power pumping operations nearby and possibly indicates a different and lower chloride concentration source upgradient of Well 4909C.



WATER QUALITY HISTORY OF CHLORIDE AT WELL 4909F

There has been a slight overall rise in chloride levels in downgradient Monitoring Well 4909F, since April 1988. These rising levels could be related in part to the decrease in ground water levels, draining poorer quality water out of less permeable zones in the aquifer.



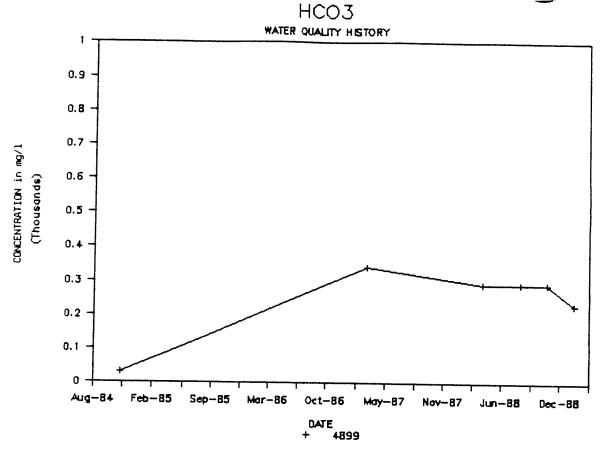


Figure 14
WATER QUALITY HISTORY OF BICARBONATE AT WELL 4899

Increasing concentration levels of bicarbonate have entered the area upgradient of the landfill and are declining as of November 1988.



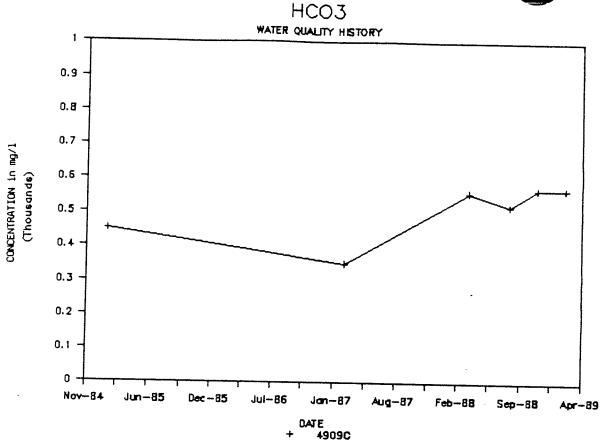


Figure 15 WATER QUALITY HISTORY OF BICARBONATE AT WELL 4909C

The overall rise in bicarbonate concentration levels in downgradient Monitoring Well 4909C is due to landfill gas (CO₂) reacting with water to produce bicarbonate.



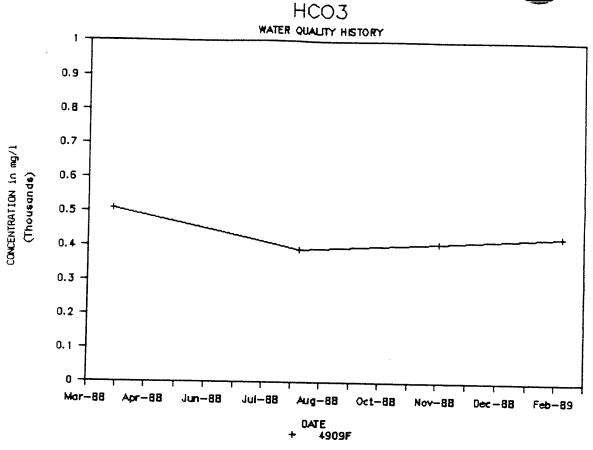


Figure 16
WATER QUALITY HISTORY OF BICARBONATE AT WELL 4909F

There has been an overall decline in bicarbonate concentration levels in downgradient Monitoring Well 4909F.

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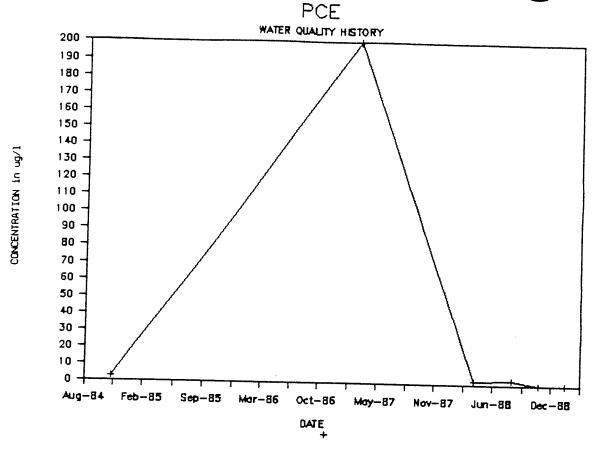
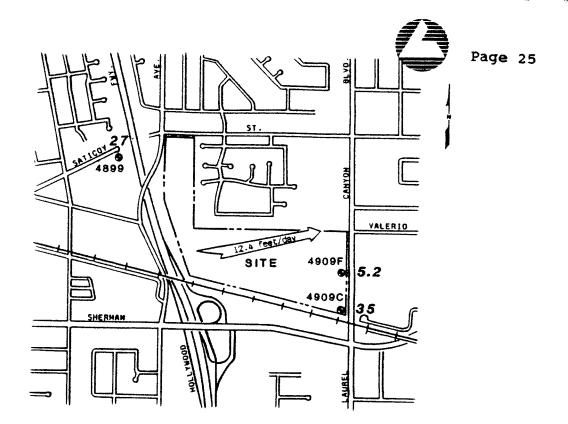


Figure 17

WATER QUALITY HISTORY OF PERCHLOROETHYLENE

This chart shows that a perchloroethylene slug passed the upgradient Monitoring Well 4899 in February 1987.



4899

MONITORING WELL LOCATION AND NUMBER

35 NITRATE CONCENTRATION IN MILLIGRAMS PER LITER

GROUND WATER FLOW DIRECTION AND VELOCITY

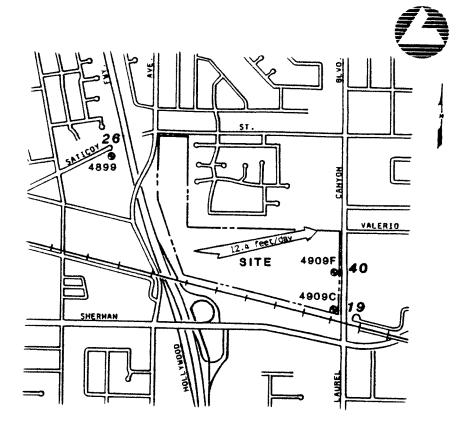
BASE MAP MODIFIED FROM U.S. GEOEOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPHIC QUADRANGLE, 1972.



Figure 18

AREAL DISTRIBUTION OF NITRATE IN FEBRUARY 1989

Nitrate is normally found at natural levels less than 10 mg/l in parts of the local aquifer not yet affected by human activity. The sources of nitrate include fertilizer and animal wastes from agriculture development, household septic tank effluent, and natural decaying plant material. Low concentrations of nitrate are often observed downgradient of landfills. This phenomenon may be caused by bacteria in the anoxic conditions below the landfill. The nitrate concentration at Hewitt Landfill varies from 5.2 milligrams (Well 4909F) to 35 milligrams (Well 4909C). The state action level to protect ground water for nitrate is 45 milligrams per liter. The landfill does not appear to be a source of nitrate release.



MONITORING WELL LOCATION AND NUMBER

40 CHLORIDE CONCENTRATION IN MILLIGRAMS PER LITER

GROUND WATER FLOW DIRECTION AND VELOCITY

BASE MAP MODIFIED FROM U.S. GEOLOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPHIC QUADRANGLE, 1972.

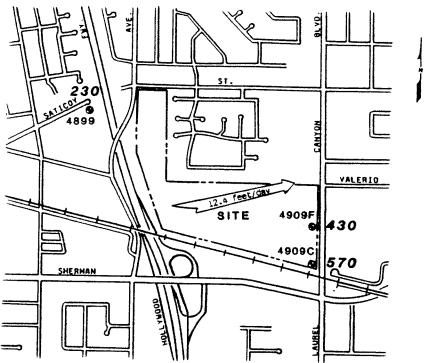


Figure 19

AREAL DISTRIBUTION OF CHLORIDE IN FEBRUARY 1989

Chloride is a sensitive indicator of inorganic water quality and is relatively free of other chemical interference. The range of chloride fluctuation at the landfill is the same for both upgradient monitoring well 4899 and downgradient wells 4909C and 4909F. Well 4909F had the highest chloride measurement during the 1988 SWAT monitoring period. This appears to be related to a general increase in chloride concentration as water levels decline in the underlying aquifer. Hewitt landfill does not appear to be influencing chloride levels; the opposite would be expected if leachate were present.





4899

MONITORING WELL LOCATION AND NUMBER

570 BICARBONATE CONCENTRATION IN MILLIGRAMS PER LITER

GROUND WATER FLOW DIRECTION AND VELOCITY

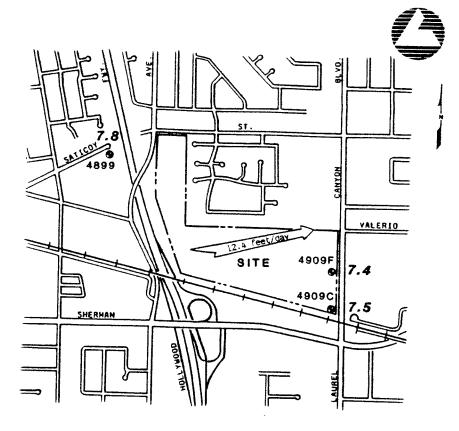
BASE MAP MODIFIED FROM U.S. GEOLOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPH QUADRANGLE, 1972.



Figure 20

AREAL DISTRIBUTION OF BICARBONATE IN FEBRUARY 1989

Bicarbonate results from reactions between carbon dioxide gas (CO2) and water. Calcium or magnesium in the aquifer materials act as sources mineralization. Associated parameters are alkalinity, hardness, pH, TDS, and EC. During the 1988 SWAT monitoring program, upgradient monitoring well 4899 had a 40 mg/l decrease in bicarbonate Downgradient monitoring wells 4909C and 4909P showed an opposite 40 mg/l increase. These variations in water quality appear to be due to landfill gas (CO2) dissolving in ground water beneath the landfill and releasing calcium, Mg, bicarbonate and alkalinity.



4899

MONITORING WELL LOCATION AND NUMBER

7.8 RELATIVE ALKALINITY OR ACIDITY

GROUND WATER FLOW DIRECTION AND VELOCITY

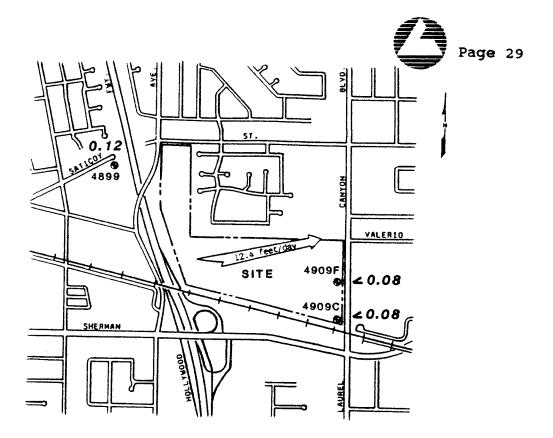
BASE MAP MODIFIED FROM U.S. GEOŁOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPHIC QUADRANGLE, 1972.



Figure 21

AREAL DISTRIBUTION OF PH IN FEBRUARY 1989

pH, a relative measure of alkalinity or acidity, is by varying carbon dioxide affected gas concentrations. More CO2 gas causes a decrease in pH (CO_2) which dissolves minerals out of the aquifer. turn causes increases in alkalinity, bicarbonate and calcium. pH reacts much faster than the rate of ground water flow which indicates that the Hewitt Landfill is producing carbon dioxide gas. Over the year long 1988 SWAT period, pH has decreased to 7.4 in downgradient monitoring Wells 4909C and 4909F. Upgradient monitoring Well 4899 has increased in pH to 7.8. At this site, the pH changes 1 point between field and lab measurements. This is probably due to loss of CO2 during transport and storage.



4899

MONITORING WELL LOCATION AND NUMBER

0.12 TOTAL ORGANIC HALIDES
IN MILLIGRAMS PER LITER

GROUND WATER FLOW DIRECTION AND VELOCITY

BASE MAP MODIFIED FROM U.S. GEOLOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPHIC QUADRANGLE, 1972.



Figure 22

AREAL DISTRIBUTION OF TOTAL ORGANIC HALIDES IN FEBRUARY 1989

Total organic halides (TOX) is the total of halogenated (chlorinated) solvents in ground water. The levels are highest in the upgradient monitoring Well 4899 indicating an off-site source in these solvents.



CONCLUSIONS

LEACHATE MIGRATION

Leachate is not known to occur at the site and the landfill does not appear to be releasing hazardous compounds to the ground water. Hewitt Landfill may contain minimal concentrations of hazardous materials, although records of waste received by the site are poor. The trash fill, where intercepted by drilling, is unsaturated and relatively undecomposed (see Appendix C for well logs of leachate test well). The description of materials from the Hewitt leachate well, drilled into trash, includes paper, cardboard, wood chips and demolition debris in a slightly moist, sandy matrix. This dryness can be attributed to the efficiency of the final cover as a barrier to rain water.

GAS MIGRATION

There is no apparent threat to ground water from methane gas migrations coming from the Hewitt Landfill. Gas is effectively controlled by the landfill gas collection system installed during the mid-70's. Landfill gas analysis indicate only trace amounts of solvents.



REMEDIAL ACTION

We recommend continued vigilance in adjusting the gas collection system and maintenance of the final cover. Such adjustments to the gas collection system include prevention of off-site migration. Maintenance of the final cover includes proper run-off control to prevent water from ponding on the site, and correction of ponding and cracks as they develop.

In February 1987, sampling of upgradient Monitoring Well 4899 showed high solvent concentrations of TOC (6 ug/l), TCE (45 ug/l) and PCE (200 ug/l) which indicates a migrating solvent plume is passing under the landfill. If the ground water flow regime remains generally the same, the solvent plume should appear in the downgradient monitoring wells around October 1989.



If you have any questions, or if we can clarify anything over the phone, please call Alice Campbell at Law Environmental, Inc. (818) 848-0214.

Yours very truly,

LAW ENVIRONMENTAL, INC.

bv

Martine Alter Staff Geologist

bv

Alice Campbell, C.E.G. 1157 Hydrogeologist

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Glenn A. Brown, C.E.G. 3 Senior Vice President

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APPENDIX A GROUND WATER DATA BASE AND LABORATORY ANALYSES

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(ft.)	3 S		246.8 nm 264.0 7.6			9	248.1	7.00.	7	7.5	200	80.4	•)) 	
WAT LEV (ft.)	PI.	767.6	767.6		754.2 754.2))))))	
TAN	REF									759.5))))))	
;; ;; ;; ;; ;; ;;	DATE	08-Nov-8, 27-Feb-8,	10-Aug-88 09-Nov-88 10-Feb-89	3	23-Jan-85 27-Feb-87	04-Apr-88	10-Aug-88	06-Feh-89	3	04-Apr-88 10-Aug-88	15-Nov-88	06-Feb-89	3		
))))))))	POINT	4899 4899 4899	4899 4899 4899		4909C 4909C	4909C	4909C	4909C		4909F 4909F				::::::::::::::::::::::::::::::::::::::	

	760.0 300.0 488.8 129.6 0.3
	0.5 0.3 0.1 0.3
	0.5 0.2 0.3 0.1 0.28
; ; ; ;	73.0 0.6 25.0 22.4 0.9
	220.0 40.0 0.0 3.2 54.8 25.0 46.5 10.1 0.8 0.4
	570.0 30.0 389.4 141.4 0.4
	A A A A A
	13.0 2.5 5.0 2.3 0.5
	8.0 140.0 31.0 58.0 7.2 11.0 11.0 28.0 7.6 102.6 20.9 40.4 0.2 34.6 5.7 8.9 0.0 0.3 0.3 0.2
	524.0 1000.0 152.0 570.0 367.4 798.1 133.4 159.5 0.4 0.2
	43.0 6.0 18.0 11.4 0.6
	280.4 7.8 63.5 980.0 246.8 0.0 59.0 0.0 263.1 6.9 61.8 668.2 11.9 2.0 1.3 247.0 0.0 0.3 0.0 0.4
	767.6 754.2 760.6 5.8 0.0
	maximum minimum mean std dev coef of v

))))))		13 10 10 11 11 11	1) 1) 1) 1) 1) 1)	ORG!	ORGANICS (ppb)		TRACE	ELEMENTS	S (ppd)				TRACE EL	ELEMENTS	(mdd)			
POINT	POINT DATE COD	11	XO.	TCE	PCE		A)	A9	As	P3	Cu	 	### #4	======================================		## *	Se	======= Zn
4899 4899 4899 4899 4899 4899	08-Nov-84 27-Feb-87 04-Apr-88 10-Aug-88 09-Nov-88	4.00 \$\$	6.00 6.08	△	200 \\ 200 \\ \ 2 \\ \ 3 \\ \ \ \ \ \ \ \ \ \ \ \	ひひひひひ	6.2 6.2 6.2	<0.02 <0.02 <0.02 <0.02	40.00240.00240.00240.003	<pre><0.02 <0.02 <0.001 <0.001</pre>	6.66.026.026.026.026.026.02	0.590 (0.02 1.200 1.100 0.150	0.00080.00080.00080.0008	0.032 <0.050 0.012 0.008 <0.005	<0.002<0.002<0.002<0.002	<pre><0.04 <0.04 <0.04 <0.04 <0.04</pre>	<pre><0.004</pre> <0.001 <0.004 <0.004 <0.004	0.013 0.03 0.170 0.100 0.03 <0.03
4909C 4909C 4909C 4909C 4909C 4909C	23-Jan-85 <3.(27-Feb-87 04-Apr-88 <3.(10-Aug-88 <3 09-Nov-88 6.(06-Feb-89 <15	(3.0 (3.0 (15.0	 3.0 3.0 3.0 0.16 3 6.00 0.08 6.00 0.08 15 415 6.08 15 	2 71	~ ~ ~ ~ ~ ~ ~ ~ ~ ~	∇ ∇ ∇ ∇ ∇	60.2 60.2 60.2 60.2	60.02 60.02 60.02 60.02	<0.002 <0.002 <0.002 <0.002 <0.002	<pre><0.001</pre> <0.001 <0.001 <0.004	40.1440.0240.0240.0240.0240.02	<pre><0.13 <0.02 <1.300 <1.300 0.160 </pre>	<pre><0.0008 <0.0008 0.001 </pre> <pre><0.0008</pre>	<0.04 0.009 0.008 <.005 <0.005	2 2 2 2 2		<pre><0.004 <0.004 <0.004 <0.004 </pre>	
4909F 4909F 4909F 4909F	4909F 04-Apr-88 <3.0 <0.08 <1 <1 <1 4909F 10-Aug-88 <3.0 <0.08 <1 15-Nov-88 20.00 <0.08 <1 1 <1 <4 4909F 06-Feb-89 <15 <0.08	3.0 3.0 20.00 415	<pre><0.08 <1 <0.08 <1 <0.08 <1 <0.08 <1 </pre>	♥ ♥	△ 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	▽ ▽▽	60.2 60.2 60.2 60.2	<0.02 <0.02 <0.02 <0.01	<0.002 <0.002 <0.002 <0.002 <0.002 <	<pre><0.02 < 0.001 < 0.001 < 0.003 <</pre>	<0.02 <0.02 <0.02 <0.02	0.900 < 0.490 < 0.020 < 0.020 < 0.460 <	<pre></pre>	0.050 <,005 <0.005 <0.005	<0.002 <0.002 <0.002 <0.002	<0.04 <0.04 <0.04 <0.04		0.030 <0.03 0.080 0.100
S E E E E E E E E E E E E E E E E E E E	maximum minimum mean std dev coef of v	20.0 0.0 2.3 5.4 2.4	6.0 0.0 0.6 1.7 3.0	71.0 200.0 0.0 0.0 8.5 14.9 20.8 49.5 2.4 3.3	200.0 0.0 14.9 49.5 3.3	20.0 6.0 71.0 200.0 NA 0.0 0.0 0.0 0.0 NA 2.3 0.6 8.5 14.9 NA 5.4 1.7 20.8 49.5 NA 2.4 3.0 2.4 3.3 NA	 	N N N N N N N N N N N N N N N N N N N	#	A A A A A	N W W W W W W W W W W W W W W W W W W W	2.0 0.0 0.6 0.6 1.0	0.0010 0.0000 0.0001 0.0003 3.5	0.050 0.000 0.007 0.014 1.8	0.002 0.000 0.000 0.001 3.5	N A A A A	0.004 0.000 0.000 0.001 3.5	0.170 0.000 0.041 0.050
		NA = n	NA = not available	lable		ne not Beachrad	1) 1) 1) 1) 1) 1) 1)	j	10 - J60		222222		;; ;; ;; ;; ;; ;; ;;	77); 10 10 10 10 10))))))	11	11 11 11 11 11 11 11



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-8579

LOG NO: P89-02-187

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATE	R SAMPLES	DATE SAMPLED
02-187-1			10 PEB 89
PARAMETER		02-187-1	
Oil and Gre Fluoride, m	g/L ic Halides (TOX), mg/L g/L /L g/L /L ng/L /L g/L /L g/L /L g/L /L	<pre></pre>	



BROWN AND CALDWELL LABORATORIES

ANALYTICAL REPORT

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FAX: (818) 795-85, 9

LOG NO: P89-02-187

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER	R SAMPLES	DATE SAMPLED
02-187-1			10 222 00
PARAMETER		02-187-1	
B/N.A Ext.	Pri.Poll. (BPA-625)		
Date Extra		02/13/89	
Date Analy	yzed	02/27/89	
Dilution 1	Factor, Times l	1	
1,2,4-Trie	chlorobenzene, ug/L	<10	
1,2-Dichlo	probenzene, ug/L	<10	
	nylhydrazine, ug/L	<10	
	probenzene, ug/L	<10	
	orobenzene, ug/L	<10	
	chlorophenol, ug/L	<10	
	prophenol, ug/L	<10	
	nylphenol, ug/L	<10	
	cotoluene, ug/L	<10	
	cophenol, ug/L	<10	
	cotoluene, ug/L	<10	
	aphthalene, ug/L	<10	
•	iphthalene, ug/L	<10	
•	Phenol, ug/L	<10	
2-Nitrophe		<10	
	line, ug/L	<10	•
	chlorophenol, ug/L	<10	
	enol, ug/L	<10	
	,6-dinitrophenol, ug/L	<50	•
	orobenzidine, ug/L	<10	
	line, ug/L	<10	
	enylphenylether, ug/L	<10	
4-CUTOLO-3	-methylphenol, ug/L	<10	



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Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER S	AMPLES ·	DATE SAMPLED
02-187-1	4899		
PARAMETER		02-187-1	
4-Chloroan 4-Methyl P 4-Nitrophe 4-Nitroani Acenaphthe Acenaphthy Aniline, u Anthracene Bis(2-ethy Benzidine, Benzoic Ac	nenylphenylether, ug/L miline, ug/L Phenol, ug/L enol, ug/L enol, ug/L ene, ug/L ene, ug/L elene,)phthalate, ug/L ug/L id, ug/L	<10 <20 <10 <25 <50 <50 <25 <20 <10 <40 <50	
Bis(2-Chlo Bis(2-chlo Benzo(a)an Benzo(a)py Benzo(b)flu Benzo(g,h,:	roethyl) Ether, ug/L roisopropyl)ether, ug/L roethoxy)methane, ug/L thracene, ug/L rene, ug/L uoranthene, ug/L i)perylene, ug/L	<20 <10 <10 <10 <10 <10 <10 <10 <10 <10	
Benzo(k)flu Butylbenzyl Chrysene, u Di-n-octylp Dibenzo(a,h Dibutylphth	uoranthene, ug/L lphthalate, ug/L	<10 <10 <10 <10 <10 <50 <10	

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FAX: (818) 795-85/9 LOG NO: P89-02-187

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER	R SAMPLES	DATE SAMPLED
02-187-1	4899		10 FEB 89
PARAMETER		02-187-1	
Dibenzofur Fluorene, Fluoranthe Hexachloro Hexachloro Hexachloro Indeno(1,2 Isophorone N-Nitrosod N-Nitrosod N-Nitrosod Naphthalen Nitrobenze	ug/L ene, ug/L ebenzene, ug/L ebutadiene, ug/L ecyclopentadiene, ug/L ethane, ug/L e, 3-c,d)Pyrene, ug/L e, ug/L i-n-propylamine, ug/L imethylamine, ug/L iphenylamine, ug/L e, ug/L ne, ug/L ne, ug/L ne, ug/L	<pre></pre>	



Chloroform, ug/L

BROWN AND CALDWELL LABORATORIES

ANALYTICAL REPORT

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Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

Page 5

-		·	rage
LOG NO	SAMPLE DESCRIPTION, GROUND WATER	R SAMPLES	DATE SAMPLED
02-187-1	4899		
PARAMETER			
Vol. Pri Po	D11. (EPA-624)		
Date Anal	vrod		
		02/18/89	~
DITUITOR	Factor, Times 1	1	
1,1,1-1[1	chloroethane, ug/L	<1	
1,1,2,2-1	etrachloroethane, ug/L	<1	
1,1,2-1r1	chloroethane, ug/L	<1	
I,I-DICUL	oroethane, ug/L	<1	
1,1-Dichl	oroethylene, ug/L	<1	
1,2-Dichl	oroethane, ug/L	<1	
1,2-Dich1	orobenzene, ug/L	<1	
1,2-Dichl	oropropane, ug/L	<1	
1,3-Dichl	orobenzene, ug/L	<1	
cis-1,3-D	ichloropropene, ug/L	<1	
1,4-Dichle	orobenzene, ug/L	<1	
2-Chloroe	thylvinylether, ug/L	<1	*
2-Hexanone	e, ug/L	<1	
Acetone, t	ug/L	<10	
Acrolein,	ug/L	<10	
Acryloniti	rile, ug/L	<10	
Bromodich]	loromethane, ug/L	<1	
Bromometha	ne, ug/L	<1	•
Benzene, u	ıg/L	<1	
Chlorobenz	ene, ug/L	<1	
Carbon Tet	crachloride, ug/L	<1	
Chloroetha	ine. ug/L	· ·	
Bromoform,		<1	
Oh 3	-o· -	<1	

REPORT OF ANALYTICAL RESULTS



ANALYTICAL REP

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FAX: (818) 795-85/9 LOG NO: P89-02-187

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

PARAMETER 02-187-1 Chloromethane, ug/L	LOG NO	SAMPLE DESCRIPTION,	GROUND WATER	SAMPLES		DAT	SAMP	LED
PARAMETER 02-187-1 Chloromethane, ug/L	02-187-1	·			******		O FEB	89
Chloromethane, ug/L Carbon Disulfide, ug/L Dibromochloromethane, ug/L Ethylbenzene, ug/L Ethylbenzene, ug/L Freon 113, ug/L Methyl Isobutyl Ketone, ug/L Methyl Ethyl Ketone, ug/L Methylene Chloride, ug/L Tetrachloroethylene, ug/L Styrene, ug/L Trichlorofluoromethane, ug/L Trichlorofluoromethane, ug/L Toluene, ug/L Vinyl Acetate, ug/L Vinyl Chloride, ug/L Total Yulone Texasor us/K	PARAMETER							
trans-1,2-Dichloroethylene, ug/L <1 trans-1,3-Dichloropropene, ug/L <1	Carbon Discontinuous Dibromochlo Ethylbenzer Freon 113, Methyl Isola Methyl Ethyl Methylene Of Tetrachlorostyrene, ug Trichlorost Trichlorost Trichlorost Toluene, ug Vinyl Aceta Vinyl Chlor Total Xylentrans-1,2-D	nane, ug/L sulfide, ug/L coromethane, ug/L ene, ug/L ug/L bbutyl Ketone, ug/L cyl Ketone, ug/L chloride, ug/L coethylene, ug/L dylene, ug/L thylene, ug/L luoromethane, ug/L g/L ate, ug/L ride, ug/L ne Isomers, ug/L Dichloroethylene, ug/I			<1 <1 <1 <10 <1 <1 <1 <1 <10 <10 <10 <1			(

ANALYTICAL REPORT

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FAX: (818) 795-8579 P89-02-187

LOG NO:

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Log Number: 89-02-187-1 Sample Description: 4899			General Mineral Analysi Sampled Date 10 FEB 8		
Anions	mg/L	meq/L	Determination	mg/L	
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3)	27 26 42 230 <6	0.44 0.73 0.87 3.8 <0.2	Hydroxide Alk (as CaCO3) Carbonate Alk (as CaCO3) Bicarbonate Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) Total Hardness (as CaCO3)	<1 <10 190 210 45 255	
Total Milliequivalents per	Liter	6.0 j	Iron Manganese	0.12	
Cations	mg/L	meq/L	Copper Zinc	<0.02 <0.03	
Sodium Potassium Calcium (EDTA Titration) Magnesium	28 2.5 83 11		Filterable Residue (TDS)	<0.1 370 590 7.8	
Total Milliequivalents per	Liter	6.3			

^{*} Conforms to Title 22, California Administrative Code

ANALYTICAL REP

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-85/9

LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLE	s ·	DA	TE SAMPLED	
02-095-1 02-095-2	4909C 4909F			06 FEB 89 06 FEB 89	
PARAMETER		02-095-1	02-095-2		
Chemical Oxy	gen Demand, mg/L	<15	<15		
Oil and Grea		<5	16		
Fluoride, mg	g/L	0.3	0.2		
Total Organi	ic Halides (TOX), mg/L	<0.08	<0.08		
Aluminum, mg		<0.2	<0.2		
Boron, mg/L		0.34	0.43		
Silicon, mg/		11	10		
Antimony, mg		35	43		
Arsenic, mg/		<0.002	<0.002		
Barium, mg/L		0.29	0.24		
Beryllium, m		<0.001	<0.001		
Cadmium, mg/		0.004	0.003		
Chromium, mg		<0.008	<0.008		
Cobalt, mg/L	,	<0.04	<0.04		
Lead, mg/L		<0.002	<0.002		
Mercury, mg/		<0.0008	<0.0008		
Molybdenum,		<0.2	<0.2		
Nickel, mg/L		<0.04	<0.04		
Selenium, mg		<0.004	<0.004	•	
Silver, mg/L		<0.01	<0.01		
Thallium, mg		<0.2	<0.2		
Vanadium, mg	/L	<0.03	<0.03		



ANALYTICAL REPORT

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FAX: (818) 795-8579 LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE DESCRIPTION, GROUND WAT	ER SAMPLES	DA	TE SAMPLED
02-095-1 4909C 02-095-2 4909F			06 FEB 89 06 FEB 89
PARAMETER	02-095-1	02-095-2	
B/N, A Ext.Pri.Poll. (EPA-625)			
Date Extracted	02/09/89	02/09/89	
Date Analyzed	02/13/89	02/13/89	
Dilution Factor, Times 1	1	1	
1,2,4-Trichlorobenzene, ug/L	<10	<10	
1,2-Dichlorobenzene, ug/L	<10	<10	
1,2-Diphenylhydrazine, ug/L	<10	<10	
1,3-Dichlorobenzene, ug/L	<10	<10	
1,4-Dichlorobenzene, ug/L	<10	<10	
2,4,6-Trichlorophenol, ug/L	<10	<10	
2,4-Dichlorophenol, ug/L	<10	<10	
2,4-Dimethylphenol, ug/L	<10	<10	•
2,4-Dinitrotoluene, ug/L	<10	<10	
2,4-Dinitrophenol, ug/L	<25	<25	
2,6-Dinitrotoluene, ug/L	<10	<10	
2-Chloronaphthalene, ug/L	<10	<10	
2-Methylnaphthalene, ug/L	<10	<10	
2-Methyl Phenol, ug/L	<10	<10	
2-Nitrophenol, ug/L	<10	<10	
2-Nitroaniline, ug/L	<50	<50	
2,4,5-Trichlorophenol, ug/L	<10	<10	
2-Chlorophenol, ug/L	<10	<10	
2-Methyl-4,6-dinitrophenol, ug/L	<50	<50	•
3,3'-Dichlorobenzidine, ug/L	<10	<10	
3-Nitroaniline, ug/L	<50	<50	
4-Bromophenylphenylether, ug/L	<10	<10	



ANALYTICAL REPCT

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Received: 06 FEB 89 Reported: 17 FEB 89

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUN	D WATER	SAMPLES		DA	TE SAMPLED
02-095-1 02-095-2	4909C 4909F					06 FEB 89 06 FEB 89
PARAMETER				02-095-1	02-095-2	
4-Chloroph	-methylphenol, ug/L enylphenylether, ug/L iline, ug/L			<10 <10 <20	<10 <10 <20	(
	henol, ug/L nol, ug/L			<10 <25 <50	<10 <25 <50	
Acenaphthe Acenaphthy Aniline, u	ne, ug/L lene, ug/L			<10 <10 <20	<10 <10 <20	
Benzidine,	lhexyl)phthalate, ug/L ug/L			<10 <10 <40	<10 <10 <40	
•	ohol, ug/L roethyl) Ether, ug/L			<50 <20 <10 <10	<50 <20 <10 <10	
Bis(2-chlo Benzo(a)an	roisopropyl)ether, ug/L roethoxy)methane, ug/L thracene, ug/L			<10 <10 <10 <10	<10 <10 <10 <10	
Benzo(g,h,	uoranthene, ug/L i)perylene, ug/L			<10 <10 <10 <10	<10 <10 <10	
Butylbenzy Chrysene,	uoranthene, ug/L lphthalate, ug/L ug/L phthalate, ug/L			<10 <10 <10	<10 <10 <10	
	h)anthracene, ug/L			<10	<10	



ANALYTICAL REPORT

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FAX: (818) 795-8579 LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION,	GROUND WATER SAMPLES		DA	TE SAMPLED
02-095-1 02-095-2	4909F				06 FEB 89 06 FEB 89
PARAMETER			005 1	02-095-2	
Dibutylpht Diethylpht Dimethylph Dibenzofur Fluorene, Fluoranthe Hexachloro Hexachloro Hexachloro Indeno(1,2 Isophorone N-Nitrosod N-Nitrosod Naphthalene Nitrobenzer	halate, ug/L halate, ug/L thalate, ug/L an, ug/L ug/L ne, ug/L benzene, ug/L butadiene, ug/L cyclopentadiene, ug/L ethane, ug/L ,3-c,d)Pyrene, ug/L i-n-propylamine, ug/L imethylamine, ug/L iphenylamine, ug/L e, ug/L ne, ug/L ophenol, ug/L		<50 <10 <25 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10	<pre><50 <10 <25 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10</pre>	
Phenol, ug/	•		<10 <10	<10 <10	

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Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GRO	OUND WATER SA	MPLES	DA	TE SAMP	LED
02-095-1 02-095-2	4909C 4909F				06 FEB 06 FEB	
PARAMETER			02-095-1	02-095-2		
Date Analy Dilution Fi 1,1,1-Tricl 1,1,2,2-Te 1,1,2-Tricl 1,1-Dichlor 1,2-Dichlor 1,2-Dichlor 1,2-Dichlor 1,3-Dichlor cis-1,3-Dichlor 2-Chloroeth	l. (EPA-624) zed actor, Times 1 hloroethane, ug/L trachloroethane, ug/L hloroethane, ug/L roethane, ug/L roethylene, ug/L robenzene, ug/L robenzene, ug/L cobenzene, ug/L cobenzene, ug/L cobenzene, ug/L cobenzene, ug/L cobenzene, ug/L		02/08/89 1 <1 <1 <1 <1 <1 <1 <1 <1 <1	02/08/89 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1		(
Bromomethan Benzene, ug Chlorobenze	g/L ig/L ig/L cromethane, ug/L ie, ug/L ie, ug/L ine, ug/L achloride, ug/L e, ug/L		<1 <10 <10 <10 <1 <1 <1 <1 <1 <1	<10 <10 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1		•

GIBBS, GIDEN, LOCHER, FLEMING & ACRET

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LOS ANGELES. CALIFORNIA 90067-3039

October 13, 1993

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OUR FILE NO 812.074

BY FEDERAL EXPRESS

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David B. Glazer, Esq.
Environmental Enforcement Section
Environmental and Natural Resources Division
UNITED STATES DEPARTMENT OF JUSTICE
301 Howard Street, Suite 870
San Francisco, CA 94105

Re: San Fernando Valley Area 1 - North Hollywood Operable Unit

EPA Superfund Site I.D. Nos. 59 and N1

Los Angeles County, California

Dear Mr. Glazer:

Thank you for yesterday's letter. Enclosed herewith please find my signature to the tolling extension agreement executed on behalf of CalMat Co. I look forward to receiving a copy of the fully executed agreement once it has been signed by all the parties.

Thank you for your courtesy and cooperation.

Yours very truly,

Barry C. Vaughan

for GIBBS, GIDEN, LOCHER, FLEMING & ACRET

cc: CalMat Co. t



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-8579 P89-02-095

LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION,	GROUND WATER	SAMPLES	-	DA	TE SAMPLED
02-095-1 02-095-2	4909C 4909F					06 FEB 89 06 FEB 89
PARAMETER			·	02-095-1	02-095-2	
Chloroform Chlorometh Carbon Dis Dibromochl Ethylbenze Freon 113, Methyl Iso Methyl Eth Methylene Tetrachlor Styrene, u Trichloroe Trichlorof Toluene, u Vinyl Acet Vinyl Chlo Total Xyle trans-1,2-	ane, ug/L ulfide, ug/L oromethane, ug/L ne, ug/L ug/L butyl Ketone, ug/L yl Ketone, ug/L Chloride, ug/L oethylene, ug/L thylene, ug/L luoromethane, ug/L g/L	/L		<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	1 <1 <1 <1 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	
•	.Pri.Poll. (EPA-624)					

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 798 LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Log Number: 89-02-095-1 Sample Description: 4909C		,	General Mineral . Sampled Date 0	•
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3)	5.2	0.084	Hydroxide Alk (as CaCO3)	<1
Chloride	19		Carbonate Alk (as CaCO3)	<1
Sulfate	29	0.6	Bicarbonate Alk (as CaCO3	470
Bicarbonate (as HCO3)	570	9.4	Ca Hardness (as CaCO3)	320
Carbonate (as CO3)	<0.6		Mg Hardness (as CaCO3)	0
			Total Hardness (as CaCO3)	0د
Total Milliequivalents per	Liter	10.6	•	2.0
			Manganese	0.008
Cations	mg/L	meq/L	Copper	<0.02
		• :	Zinc	0.09
Sodium	38	1.7	Surfactants (MBAS)	<0.1
Potassium	4.4	· ·	Filterable Residue (TDS)	550
Calcium (EDTA Titration)	130 j	•	Sp. Conductance, umhos/cm	950
Magnesium	27	·	pH, units	7.5
Total Milliequivalents per	Liter	10.5		

^{*} Conforms to Title 22, California Administrative Code

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-(

LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 8

Log Number: 89-02-095-2 General Mineral Analysis Sample Description: 4909F Sampled Date 06 FBB 89 mg/L meq/L Determination ______ Nitrate (as NO3) | 35 | 0.56 | Hydroxide Alk (as CaCO3)
Chloride | 40 | 1.1 | Carbonate Alk (as CaCO3)
Sulfate | 70 | 1.5 | Bicarbonate Alk (as CaCO3)
Bicarbonate (as HCO3) | 430 | 7 | Ca Hardness (as CaCO3)
Carbonate (as CO3) | <0.6 | <0.02 | Mg Hardness (as CaCO3) <1 350 ----- | Total Hardness (as CaCO3) 413 Total Milliequivalents per Liter | 10.2 | Iron 0.46 ----- | Manganese <0.005 mg/L meq/L | Copper <0.02 Cations ----- | Zinc 0.10 Sodium | 52 | 2.3 | Surfactants (MBAS)
Potassium | 5.0 | 0.13 | Filterable Residue (TDS)
Calcium (EDTA Titration) | 130 | 6.5 | Sp. Conductance, umhos/cm
Magnesium | 23 | 1.9 | pH, units <0.1 620 1000 ______ Total Milliequivalents per Liter | 10.8 |

Jeffrey A. Erion, Laboratory Manager

^{*} Conforms to Title 22, California Administrative Code



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 79

75

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

	REPORT OF	ANALYTICAL RESULTS		Page 1
LOG NO	THE PROCEET LION. GROUNT	VATER SAMPLES	D/	TE SAMPLED
11-140-1				TE SAMPLED
11-140-2	4909C			09 NOV 88
PARAMETER				09 NOV 88
		11-140-1	11-140-2	
Chemical Ox	tygen bemand. mg/l.			
Oil and Gre	ease, mg/L	<3 9	6 < 5	
Fluoride, m	ng/L	0.2		
Aluminum -	nic Halides (TOX), mg/L	<0.08	V + 2	
Aluminum, m Boron, mg/L		<0.2	<0.2	
Antimony, m		0.27		
Arsenic, mg		<0.3		
Barium, mg/		<0.002	<0.002	
Beryllium,	mo/I.	0.16	0.28	
Cadmium, mg	-8, -2 /L	<0.001		
Chromium, m	g/I.	<0.001	<0.001	
Cobalt, mg/		<0.04	<0.04	
Lead, mg/L			<0.04	
Mercury, mg/	/L	<0.002		
Molybdenum,	mg/L -	<0.0008	<0.0008	
Nickel, mg/I	, ,	<0.2	<0.2	
Selenium, mg	;/L	<0.04	<0.04	
Silver, mg/L	•		<0.004	
Thallium, mg	/L	<0.02	<0.02	
Vanadium, mg	·/L	<0.2	<0.2	
		(0.03	<0.03	•



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND	WATER SAMPLES	DA	TE SAMPLED
11-140-1 11-140-2	4909C			09 NOV 88 09 NOV 88
PARAMETER		11-140-1	11-140-2	
B/N, A Ext. P	ri.Poll. (EPA-625)		•••••	
Date Extra	icted	11/15/88	11/15/88	
Date Analy	zed	11/18/88	11/18/88	
Dilution F	actor, Times 1	1	1	
1,2,4-Tric	hlorobenzene, ug/L	<10	<10	
	robenzene, ug/L	<10	<10	
1,2-Diphen	ylhydrazine, ug/L	<10	<10	
1,3-Dichlo	robenzene, ug/L	<10	<10	
1,4-Dichlo	robenzene, ug/L	<10	<10	
	hlorophenol, ug/L	<10	<10	
2,4-Dichlo	rophenol, ug/L	<10	<10	
	ylphenol, ug/L	<10	<10	
	otoluene, ug/L	<10	<10	
	ophenol, ug/L	<25	<25	
•	otoluene, ug/L	<10	<10	
	phthalene, ug/L	<10	<10	
	phthalene, ug/L	<10	<10	
	henol, ug/L	<10	<10	
2-Nitrophe		<10	<10	•
	line, ug/L	<50	<50	
	hlorophenol, ug/L	<10	<10	
2-Chloroph		<10	<10	
	,6-dinitrophenol, ug/L	<50	<50	
	orobenzidine, ug/L	<10	<10	



ANALYTICAL REPOR

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LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SA	MPLES	DA	TE SAMPLED
11-140-1 11-140-2	4899 4909C			09 NOV 88 09 NOV 88
PARAMETER		11-140-1	11-140-2	
3-Nitroani	line, ug/L	<50	<50	
4-Bromophe	nylphenylether, ug/L	<10	<10	
4-Chloro-3	-methylphenol, ug/L	<10	<10	
4-Chloroph	enylphenylether, ug/L	<10	<10	
4-Chloroan	iline, ug/L	<20	<20	
4-Methyl P	henol, ug/L	<10	<10	
4-Nitrophe	nol, ug/L	<25	<25	
4-Nitroani	line, ug/L	<50	<50	
Acenaphthe		<10	<10	
Acenaphthy		<10	<10	
Aniline, u	•	<20	<20	
Anthracene		<10	<10	
Bis(2-ethy.	lhexyl)phthalate, ug/L	<10	<10	
Benzidine,		<40	<40	
Benzoic Aci		<50	<50	
Benzyl Alco	ohol, ug/L	<20	<20	
Bis(2-chlor	coethyl) Ether, ug/L	<10	<10	
Bis(2-Chlor	coisopropyl)ether, ug/L	<10	<10	
Bis(2-chlor	coethoxy)methane, ug/L	<10	<10	
Benzo(a)ant	hracene, ug/L	<10	<10	
Benzo(a)pyr	rene, ug/L	<10	<10	
penzo(b)flu	oranthene, ug/L	<10	<10	•
penzo(g,h,i)perylene, ug/L	<10	<10	
penzo(k)flu	oranthene, ug/L	<10	<10	



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LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAI	APLES	DAT	E SAMPLED
11-140-1 11-140-2	4909C			09 NOV 88 09 NOV 88
PARAMETER		11-140-1	11-140-2	
	3 1 sh 3 sa sa / [<10	<10	
	ylphthalate, ug/L	<10	<10	
Chrysene,		<10	<10	
	lphthalate, ug/L	<10	<10	
Dibenzo(a	,h)anthracene, ug/L	<50	<50	
Dibutylph	thalate, ug/L	<10	<10	
Diethylph	thalate, ug/L	⟨25	<25	
	hthalate, ug/L	<10	<10	
Dibenzofu		<10	<10	
Fluorene,		<10	<10	
Fluoranth		<10	<10	
	obenzene, ug/L	<10	<10	
Hexachlor	obutadiene, ug/L	<10	<10	
	ocyclopentadiene, ug/L	<10	<10	
	oethane, ug/L	<10	<10	
	2,3-c,d)Pyrene, ug/L	<10	<10	
Isophoron	e, ug/L	<40	<40	
N-Nitroso	di-n-propylamine, ug/L	<80	<80	
	dimethylamine, ug/L	<10	<10	
	diphenylamine, ug/L	<10	<10	·
Naphthale	ne, ug/L	<10	<10	
	ene, ug/L	<10	<10	
	rophenol, ug/L	<10	<10	
Phenanthr	rene, ug/L	<10	<10	
Phenol, u	ng/L		~10	



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LOG NO: P88-11-140

Received: 09 NOV 88

Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	D.A	TE SAMPLED
11-140-1 11-140-2	4899 4909C		09 NOV 88 09 NOV 88
PARAMETER	11-140-1	11-140-2	
Pyrene, ug.	/L <10	<10	



ANALYTICAL REPORT

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FAX: (818) 795

LOG NO: P88-11-140

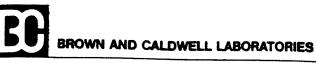
Received: 09 NOV 88 Reported: 29 NOV 88

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

		or manifical Reso			Page 6
LOG NO	SAMPLE DESCRIPTION,	GROUND WATER SAMPLES		DA	ATE SAMPLED
11-140-1	4899				
11-140-2					09 NOV 88
					09 NOV 88
PARAMETER					
Vol.Pri.Pol	.l. (EPA-624)				
Date Analy	zed				
Dilution R	actor, Times 1		11/21/88	11/21/88	
1.1.1-Tric	hloroethane, ug/L		, 1	1	1
1.1.2.2-Te	trachloroethane, ug/1	•	<1	<1	,
1.1.2-Tric	hloroethane, ug/L	L	<1	<1	
1.1-Dichlor	roethane, ug/L		<1	<1	
1.1-Dichlor	roethylene, ug/L		<1	<1	
1.2-Dichlor	roethylene, ug/L		<1	<1	
1.2-Dichlor	robenzene, ug/L		<1	<1	
1.2-Dichlor	ropropane, ug/L		<1	<1	
1.3-Dichlor	robenzene, ug/L	,	<1	<1	
cie-1 3-Dic	blomanne de la la la la la la la la la la la la la		<1	<1	
1.4-Dichlor	chloropropene, ug/L cobenzene, ug/L		<1	<1	
2-Chloroeth	nylvinylether, ug/L		<1	<1	
2-Hexanone,	yrvingretner, ug/L		<1	<1	
Acetone, ug			<1	<1	
Acrolein, u			<10	<10	
Acruloniani	18/ L		<10	<10	
Acrylonitri Bromodiahla	ie, ug/L		<10	<10	
Bromomother	romethane, ug/L		<1	<1	
Bromomethan	e, ug/L		<1	<1	
Benzene, ug	/L		<1	<1	
Chlorobenze	ne, ug/L		<1	<1	
Carbon letra	achloride, ug/L		<1	<1	



ANALYTICAL REPORT

'n,

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 79!

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER	SAMPLES	DATE SAMPLED
11-140-1 11-140-2	4899 4909C		09 NOV 88 09 NOV 88
PARAMETER	•		11-140-2
Carbon Dis Dibromochi Ethylbenze Freon 113 Methyl Iso Methyl Eth Methylene Tetrachlor Styrene, u Trichlorof Trichlorof Toluene, u Vinyl Acet	, ug/L m, ug/L hane, ug/L sulfide, ug/L loromethane, ug/L ene, ug/L , ug/L obutyl Ketone, ug/L hyl Ketone, ug/L Chloride, ug/L roethylene, ug/L ethylene, ug/L fluoromethane, ug/L		<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <
Total Xyle	ene Isomers, ug/L -Dichloroethylene, ug/L -Dichloropropene, ug/L	<10 <1 <1	<10 <1 <1

ANALYTICAL REPOR

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FAX: (818) 795

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Log Number: 88-11-140-1 Sample Description: 4899			General Mineral Sampled Date (Analysi 09 NOV 8
Anions	mg/L	meq/L	Determination	mg/
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3)	30 27 52 290 <0.6	0.76 1.1 4.8	Hydroxide Alk (as CaCO3) Carbonate Alk (as CaCO3) Bicarbonate Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3)	< < 241 31
Total Milliequivalents per	Liter	7.2	Total Hardness (as CaCO3)	290 0.1
Cations	mg/L	meq/L	Copper	<0.00! <0.0:
Sodium Potassium Calcium (EDTA Titration) Magnesium	36 4.0 92 16	0.1 4.6	Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units	<0.01 <0.1 42(68(7.8
Total Milliequivalents per	Liter	7.6		

^{*} Conforms to Title 22, California Administrative Code

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FAX: (818) 79

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 9

Log Number: 88-11-140-2 Sample Description: 4909C			General Mineral Sampled Date (
Anions	mg/L	meq/L	Determination	mg/
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3)	2.3 19 29 570 <0.6	0.54 0.6 9.4	Bicarbonate Alk (as CaCO3 Ca Hardness (as CaCO3) Mg Hardness (as CaCO3)	47 2 .3
Total Milliequivalents per 1	Liter	10.6	Total Hardness (as CaCO3) Iron Manganese	45 0.1
Cations	mg/L	meq/L	Copper	<0.00
Sodium Potassium Calcium (EDTA Titration) Magnesium	46 5.3 130 31		Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units	<0.0 <0. 54 95 7.
Total Milliequivalents per L	iter	11.2	* * * * * * * * * * * * * * * * * * * *	

^{*} Conforms to Title 22, California Administrative Code

Jeffrey Aff Brion, Laboratory Manager

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 . (818) 795-7553

LOG NO: P88-11-232

Received: 15 NOV 88 Reported: 06 DEC 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE DESCRIPTION, GROUND WATER SAM	PLES	DATE SAMPLED
11-232-1 4909F		15 NOV 88
PARAMETER	11-232-1	
Chemical Oxygen Demand, mg/L	20	
Oil and Grease, mg/L Fluoride, mg/L	<5 0.2	
Total Organic Halides (TOX), mg/L	<0.08	1
Aluminum, mg/L	<0.2	
Boron, mg/L	0.32	
Silicon, mg/L	11	
Antimony, mg/L	0.4	
Arsenic, mg/L	<0.002	
Barium, mg/L	0.24	
Beryllium, mg/L	0.001	
Cadmium, mg/L	<0.001	
Chromium, mg/L	<0.04	
Cobalt, mg/L	<0.04	
Lead, mg/L	<0.002	
Mercury, mg/L	<0.0008	
Molybdenum, mg/L	<0.2	
Nickel, mg/L	<0.04	
Selenium, mg/L	<0.004	
Silver, mg/L	<0.02	
Thallium, mg/L	<0.2	
Vanadium, mg/L	<0.03	

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 * (818) 795-7553

LOG NO: P88-11-232

Received: 15 NOV 88 Reported: 06 DEC 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RES		TICAL RESULTS	Page 2
LOG NO	SAMPLE DESCRIPTION, GROUND WATE	R SAMPLES	DATE SAMPLED
11-232-1	4909F		15 NOV 90
PARAMETER		11 222 1	
	Pri.Poll. (EPA-625)		•••••
Date Extr		11/21/88	
Date Anal		11/29/88	
	Factor, Times 1	1	
	chlorobenzene, ug/L	<10	
1,2-Dich1	orobenzene, ug/L	<10	
1,2-Dipne	nylhydrazine, ug/L	<10	
1,3-D1Cn1	orobenzene, ug/L	<10	
	orobenzene, ug/L	<10	
2,4,0-1F10 2 / Dtable	chlorophenol, ug/L	<10	
	orophenol, ug/L hylphenol, ug/L	<10	
2,4-Dimeti	rotoluene, ug/L	<10	
2.4-Dinit	rophenol, ug/L	<10	
2.6-Dinit	rotoluene, ug/L	<25	
2-Chlorona	aphthalene, ug/L	<10 <10	
2-Methylna	aphthalene, ug/L	<10	
2-Methyl E	Phenol, ug/L	<10	
2-Nitrophe		<10	•
	lline, ug/L	<50	
2,4,5-Tric	chlorophenol, ug/L	<10	
2-Chloroph	nenol, ug/L	<10	
	,6-dinitrophenol, ug/L	<50	·
3,3'-Dichl	lorobenzidine, ug/L	<10	
	lline, ug/L	<50	

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LOG NO SAMPLE DESCRIPTION, GROUND WATER SAM		DATE SAMPLED
11-232-1 4909F		15 NOV 88
PARAMETER	11-232-1	
4-Bromophenylphenylether, ug/L 4-Chloro-3-methylphenol, ug/L 4-Chlorophenylphenylether, ug/L 4-Chloroaniline, ug/L 4-Methyl Phenol, ug/L 4-Nitrophenol, ug/L 4-Nitroaniline, ug/L Acenaphthene, ug/L Aniline, ug/L Aniline, ug/L Bis(2-ethylhexyl)phthalate, ug/L Benzoic Acid, ug/L Benzyl Alcohol, ug/L Bis(2-chloroethyl) Ether, ug/L	<10 <10 <10 <20 <10 <25 <50 <10 <20 <10 <20 <10 <20 <10 <10 <10 <10 <40 <50 <20 <10	
Bis(2-Chloroisopropyl)ether, ug/L Bis(2-chloroethoxy)methane, ug/L Benzo(a)anthracene, ug/L Benzo(a)pyrene, ug/L Benzo(b)fluoranthene, ug/L Benzo(g,h,i)perylene, ug/L Benzo(k)fluoranthene, ug/L Butylbenzylphthalate, ug/L Chrysene, ug/L Di-n-octylphthalate, ug/L	<10 <10 <10 <10 <10 <10 <10 <10 <10	

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REPORT OF AN	ALYTICAL RESULTS	Page 4
LOG NO SAMPLE DESCRIPTION, GROUND W	ATER SAMPLES	DATE SAMPLED
11-232-1 4909F		15 NOT 00
PARAMETER	11 222 1	
Dibenzo(a,h)anthracene, ug/L	<10	
Dibutylphthalate, ug/L Diethylphthalate, ug/L	<50	
Dimethylphthalate, ug/L	<10	
Dibenzofuran, ug/L	<25	
Fluorene, ug/L	<to <10</to 	
Fluoranthene, ug/L	<10	
Hexachlorobenzene, ug/L	<10 <10	
Hexachlorobutadiene, ug/L	<10	
Hexachlorocyclopentadiene, ug/L	<10	
Hexachloroethane, ug/L	<10	
<pre>Indeno(1,2,3-c,d)Pyrene, ug/L</pre>	<10	
Isophorone, ug/L	<10	
N-Nitrosodi-n-propylamine, ug/L	<40	
N-Nitrosodimethylamine, ug/L	<80	
N-Nitrosodiphenylamine, ug/L	<10	
Naphthalene, ug/L	<10	
Nitrobenzene, ug/L	<10	
Pentachlorophenol, ug/L	<10	•
Phenanthrene, ug/L	<10	
Phenol, ug/L	<10	
Pyrene, ug/L	<10	•
Other B/N,A Ext.Pri.Poll. (EPA-625)		
Semi-Quantified Results **		

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER		DATE SAMPLED
11-232-1	4909F		15 NOV 88
PARAMETER		11-232-1	
Acenaphth	ylene, ug/L	<10	
** Quanti that of t	fication based upon comparison of he nearest internal standard.	total ion count of th	e compound with

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REPORT OF ANALYTICAL RESULTS Page 6 SAMPLE DESCRIPTION, GROUND WATER SAMPLES DATE SAMPLED ------PARAMETER 11-232-1 Vol.Pri.Poll. (EPA-624) Date Analyzed 11/23/88 Dilution Factor, Times 1 1 l, l, l-Trichloroethane, ug/L <1 1,1,2,2-Tetrachloroethane, ug/L <1 1,1,2-Trichloroethane, ug/L <1 1,1-Dichloroethane, ug/L <1 1,1-Dichloroethylene, ug/L <1 1,2-Dichloroethane, ug/L <1 1,2-Dichlorobenzene, ug/L <1 1,2-Dichloropropane, ug/L <1 1,3-Dichlorobenzene, ug/L <1 cis-1,3-Dichloropropene, ug/L <1 1,4-Dichlorobenzene, ug/L <1 2-Chloroethylvinylether, ug/L <1 2-Hexanone, ug/L <1 Acetone, ug/L <10 Acrolein, ug/L <10 Acrylonitrile, ug/L <10 Bromodichloromethane, ug/L <1 Bromomethane, ug/L <1 Benzene, ug/L <1 Chlorobenzene, ug/L <1 Carbon Tetrachloride, ug/L <1 Chloroethane, ug/L

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REPORT OF ANALYTICAL RESULTS

LOG NO SAMP	LE DESCRIPTION, GROUND WAT	ER SAMPLES	DATE SAMPLED
11-232-1 4909			15 NOV 88
PARAMETER		11-232-1	0
Bromoform, ug/L Chloroform, ug/L Chloroform, ug/Chloromethane, Carbon Disulfid Dibromochlorome Ethylbenzene, ug/L Methyl Isobutyl Methyl Isobutyl Methyl Ethyl Ke Methylene Chloroforthylene, ug/L Trichloroethylene Trichlorofluorom Toluene, ug/L Vinyl Acetate, to Vinyl Chloride,	L ug/L ug/L e, ug/L thane, ug/L g/L Ketone, ug/L tone, ug/L ide, ug/L lene, ug/L ne, ug/L nethane, ug/L ug/L ug/L	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	
Total Xylene Iso trans-1,2-Dichlo trans-1,3-Dichlo	roethylene, ug/L	<10 <1 <1	

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Log Number: 88-11-232-1 Sample Description: 4909F			General Mineral Sampled Date	
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per	67 39 70 410 <0.6	1.1 1.5 6.8 <0.02 		<1 <1 110 460 <0.02
Cations	mg/L	meq/L		<0.005 <0.02
Sodium Potassium Calcium (EDTA Titration) Magnesium	58 6.2 140 26	2.5 0.16 7	Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units	0.08 <0.1 630 1000 7.8
Total Milliequivalents per	Liter	11.8		

* Conforms to Title 22, California Administrative Code

Jeffre A. Erion, Laboratory Manager



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REPORT OF ANALYTICAL RESULTS

LOG NO SAMPLE	DESCRIPTION, GROUND WATER	R SAMPLES	D	ATE SAMPLED
08-222-1 4909 C 08-222-2 4909 F 08-222-3 4899				10 AUG 88 10 AUG 88 10 AUG 88
PARAMETER		08-222-1	08-222-2	08-222-3
Nitrate (as NO3), Chemical Oxygen De Non-filterable Res Oil and Grease, mg Volatile Suspended Fluoride, mg/L Total Organic Halid Aluminum, mg/L Boron, mg/L Antimony, mg/L Arsenic, mg/L Barium, mg/L Cadmium, mg/L Cadmium, mg/L Chromium, mg/L Chromium, mg/L Lead, mg/L Mercury, mg/L Molybdenum, mg/L Nickel, mg/L	mand, mg/L idue (TSS), mg/L /L Solids, mg/L	0.8 <3 <5 <5 <6 0.2 <0.08 <0.2 0.48 <0.3 <0.002 0.27 <0.001 <0.001 <0.004 0.04 0.04 <0.002 0.002 0.0010 <0.002	73 <3 10 <5 0.2 <0.08 <0.2 0.34 <0.3 <0.002 0.21 <0.001 <0.001 <0.04 <0.04 <0.04 <0.002 <0.008 <0.2	21 <3 10 <5 <5 0.2 <0.08 <0.2 0.26 <0.3 <0.002 0.13 <0.001 <0.001 <0.004 <0.04 <0.002 <0.008
Selenium, mg/L Silver, mg/L Thallium, mg/L Vanadium, mg/L		<0.001 <0.2 <0.2 <0.03	0.001 <0.2 <0.2 <0.03	<0.001 <0.2 <0.2 <0.03

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LOG NO	SAMPLE DESCRIPTION, GROUND WATER	R SAMPLES	DA	TE SAMPLED
08-222-1 08-222-2 08-222-3	4909 C 4909 F 4899			10 AUG 88 10 AUG 88 10 AUG 88
PARAMETER		00 000 1	08-222-2	08-222-3
B/N, A Ext. F	Pri.Poll. (EPA-625)			
Date Extra Date Analy	zed	08/11/88 08/18/88	08.19.88 08.27.88	08/11/8 ^r 08/19/8გ
Dilution F	actor, Times l hlorobenzene, ug/L	1	1	1
1,2,4-111c	robenzene, ug/L	<10	<1	<10
1.2-Dinhen	ylhydrazine, ug/L	<10	<1	<10
1.3-Dichlo	robenzene, ug/L	<10	<1	<10
1.4-Dichlo	robenzene, ug/L	<10	<1	<10
2.4.6-Tric	hlorophenol, ug/L	<10	<1	<10
2,4-Dichlo	rophenol, ug/L	<10 <10	<1	<10
2,4-Dimeth	ylphenol, ug/L	<10	<1	<10
2,4-Dinitr	otoluene, ug/L	<10	<1	<10
2,4-Dinitre	ophenol, ug/L	<25	<1 <10	<10
2,6-Dinitro	otoluene, -ug/L	<10	<10 <1	<25
2-Chlorona	ohthalene, ug/L	<10 <10	<1 <1	<10 <10
2-Methylnar	ohthalene, ug/L	<10	<1 <1	<10
2-Methyl Ph	enol, ug/L	<10	<1	<10
2-Nitrophen		<10	<1 <1	<10
2-Nitroanil	ine, ug/L	<50	< 5	<50
2,4,5-Trich	lorophenol, ug/L	<10	< 5	<10
2-Chlorophe	nol, ug/L	<10	< 1	<10
2-Methyl-4,	6-dinitrophenol, ug/L	<50	₹1	<50
3,3'-Dichlo	robenzidine, ug/L	<10	₹1	<10
3-Nitroanil	ine, ug/L	<50	₹5	<50



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LOG NO SAMPLE DESCRIPTION, GROUND WATER SAMPLES		DA	TE SAMPLED
08-222-1 4909 C 08-222-2 4909 F 08-222-3 4899			10 AUG 88 10 AUG 88 10 AUG 88
PARAMETER	08-222-1	08-222-2	08-222-3
4-Bromophenylphenylether, ug/L 4-Chloro-3-methylphenol, ug/L 4-Chlorophenylphenylether, ug/L 4-Chloroaniline, ug/L 4-Methyl Phenol, ug/L 4-Nitrophenol, ug/L 4-Nitrophenol, ug/L Acenaphthene, ug/L Acenaphthylene, ug/L Aniline, ug/L Aniline, ug/L Bis(2-ethylhexyl)phthalate, ug/L Benzidine, ug/L Benzoic Acid, ug/L Benzoic Acid, ug/L Bis(2-chloroethyl) Ether, ug/L Bis(2-Chloroisopropyl)ether, ug/L Bis(2-chloroethoxy)methane, ug/L Benzo(a)anthracene, ug/L Benzo(b)fluoranthene, ug/L Benzo(g,h,i)perylene, ug/L Benzo(k)fluoranthene, ug/L Benzo(k)fluoranthene, ug/L	<pre><10 <10 <10 <20 <10 <25 <50 <10 <10 <20 <10 <10 <10 <10 <10 <10 <10 <10 <10 <1</pre>	<pre><1 <1 <1 <1 <1 <20 <5 <1 <1</pre>	<10 <10 <10 <20 <10 <25 <50 <10 <10 <20 <10 <10 <10 <10 <10 <10 <10 <10 <10 <1
Butylbenzylphthalate, ug/L Chrysene, ug/L	<10 <10	<1 <1	<10 <10

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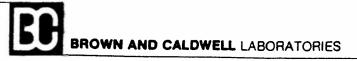
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LOG NO	SAMPLE DESCRIPTION, GROUND WATER	SAMPLES	DATE SAMPLED	
08-222-1 08-222-2 08-222-3	4909 C 4909 F 4899		••••••	10 AUG 88 10 AUG 88 10 AUG 88
PARAMETER		08-222-1	08-222-2	08-222-3
Dibenzo(a, Dibutylpht Diethylpht Dimethylph Dibenzofur Fluorene, Fluoranthe Hexachloro Hexachloro Hexachloro Indeno(1,2 Isophorone N-Nitrosodi N-Nitrosodi Naphthalene Nitrobenzen	phthalate, ug/L h)anthracene, ug/L chalate, ug/L chalate, ug/L chalate, ug/L cthalate, ug/L an, ug/L ug/L ne, ug/L benzene, ug/L butadiene, ug/L cyclopentadiene, ug/L ethane, ug/L ,3-c,d)Pyrene, ug/L i-n-propylamine, ug/L imethylamine, ug/L iphenylamine, ug/L c, ug/L	<10 <10 <50 <10 <25 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1<	<10 <1' <5 <10 <25 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10
Phenanthren	e, ug/L	<10 <10	<1 <1	<10 <10
Phenol, ug/ Pyrene, ug/		<10 <10	<1 <1	<10 <10





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LOG NO	SAMPLE DESCRIPTION,	GROUND WATER SAMPLES		DA	TE SAMPLED
08-222-1 08-222-2 08-222-3	4909 C 4909 F 4899				10 AUG 88 10 AUG 88 10 AUG 88
PARAMETER			08-222-1	08-222-2	08-222-3
Vol.Pri.Pol Date Analy Dilution F 1,1,1-Tric 1,1,2,2-Te 1,1,2-Tric 1,1-Dichlo 1,2-Dichlo 1,2-Dichlo 1,3-Dichlo 1,3-Dichlo 2-Chloroetl 2-Hexanone, Acetone, ug Acrolein, u	actor, Times 1 hloroethane, ug/L trachloroethane, ug/L hloroethane, ug/L roethane, ug/L roethane, ug/L roethane, ug/L robenzene, ug/L robenzene, ug/L chloropropene, ug/L robenzene, ug/L chloropropene, ug/L hylvinylether, ug/L ig/L ig/L ig/L ig/L ig/L ig/L ig/L i		08-222-1 08/23/88 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	08-222-2 08/23/88 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	08-222-3 08/23/88 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <
	achloride, ug/L		<1 <1	<1 <1 <1	<1 <1 <1

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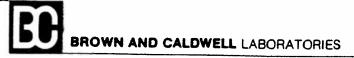
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LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	·.	DA	TE SAMPLED
08-222-1 08-222-2 08-222-3	4909 C 4909 F 4899			10 AUG 88 10 AUG 88 10 AUG 88
PARAMETER		08-222-1	08-222-2	08-222-3
Dibromochlo Ethylbenzer Freon 113, Methyl Isob Methyl Ethy Methylene O Tetrachloro Styrene, ug Trichloroet Trichlorofl Toluene, ug Vinyl Aceta Vinyl Chlor	y ug/L ane, ug/L ulfide, ug/L promethane, ug/L ug/L ug/L putyl Ketone, ug/L chloride, ug/L chloride, ug/L chlylene, ug/L	<1 <1 <1 <1 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1	<1 2 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<10 <10 <11 <10 <11 <11 <11 <11 <11 <11
trans-1,2-D	e Isomers, ug/L ichloroethylene, ug/L ichloropropene, ug/L	<10 <1 <1	<10 <1 <1	<10 <1 <1





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REPORT OF ANALYTICAL RESULTS

Log Number: 88-08-222-1 Sample Description: 4909 C			General Mineral Sampled Date	
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per	0.8 17 30 520 <0.6	8.6 ¦	(<1 <1 430 2 0 390 1.3
Cations	mg/L	meq/L	Manganese Copper	<0.005 <0.02
Sodium Potassium Calcium (EDTA Titration) Magnesium	44 4.8 120 22	1.9 0.12 6 1.8	Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units	0.04 <0.1 330 570 7.6
Total Milliequivalents per	Liter ¦	9.8 ¦		

^{*} Conforms to Title 22, California Administrative Code

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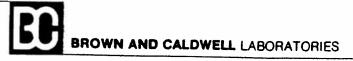
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REPORT OF ANALYTICAL RESULTS

Log Number: 88-08-222-2 Sample Description: 4909 F			General Mineral Sampled Date	Analysis
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3)	73 40 75 390 <0.6	6.4	Carbonate Alk (as CaCO3) Bicarb Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3)	<1 <1 320 50 ₹9
Total Milliequivalents per I	Liter	10.3	Total Hardness (as CaCO3) Iron	449 0.49
Cations	mg/L	meq/L	Manganese Copper	<0.005 <0.02
Sodium Potassium Calcium (EDTA Titration) Magnesium	48 5.3 140 24	2.1 0.14 7 2	Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units	<0.03 <0.1 630 1000 7.5
Total Milliequivalents per L	iter ¦	11.2		

^{*} Conforms to Title 22, California Administrative Code



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Log Number: 88-08-222-3 Sample Description: 4899			General Mineral Sampled Date	
Anions	mg/L	meq/L	Determination	mg/L
Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per L	21 26 44 290 <0.6	0.34 0.73 0.92 4.8 <0.02	Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) Total Hardness (as CaCO3) Iron	<1 <1 240 0 28 288 1.1
Cations	mg/L	meq/L	Manganese Copper	0.008 <0.02
Sodium Potassium Calcium (EDTA Titration) Magnesium	31 3.1 93 14	1.3 0.079 4.6 1.2	Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units	0.10 <0.1 390 670 7.6
Total Milliequivalents per L	iter	7.2		

* Conforms to Title 22, California Administrative Code

Jeffrey A. Brion, Laboratory Manager

APPENDIX B GROUND WATER VELOCITY CALCULATION



JOB NO 58 -7057	SHEET_	OF	
JOB NAME Hewith	SWAT	Supp.	
BY M4	DATE	06-19-89	
CHECKED BY	DATE	6-20-89	



LITHOLOGIC LOG LAW ENVIRONMENTAL, INC. Project No.: _ 58-7057 Well No.: Hewitt Leachate Well Page _ Depth Sample Graphic Description of Materials (feet) Interval Log Sand: small amounts of gravel; buff to tan; slightly moist; some demolition debris. Minor amount of silt. Micaceous; rock chips representative of rock in adjacent San Gabriel 70 Mountains and what is expected of native material in area. Total depth: 761 80

Remarks:



LITHOLOGIC LOG

LAW ENVIRONMENTAL, INC.

	CalMat			Project No -	58-7057
Location:	Hewitt La	ndfill		Vell No. •	Hewitt Leachate Well
Drilled by	: Datum	Exploration		Dage 1 of	2
rodded ph:	Steve	McArdle			
Drilling M	ethod: Air	Rotary		Date Completed:	04-12-88
Borehole D	epth:	76	feet	Static Water Level:	
Borehole D	iameter:	6	inches		
Casing:	6 *	steel			
Perforation	ns: <u>bot</u>	ton 401		Drawdown:	Yield.
Ground Ele	vation:		feet/asl	Electrical Conductance:	#icromboo
Top of Cas	ing Elevation: _			Specific Capacity:	acm/ft
	Gample Graphic Interval Log		Desc	ription of Materials	3541
		FILL	Silt, sand, and	d gravel: no trash; tan to gray	r: slightly majer
10			Chips of wood metrix of silt moderately mois	common, paper and plastic no ey sand: black; small amounts st. Little or no odor.	ot seen; material in a of gravel; slightly to
20 -			At 25', paper (up, as drilling	(including carbon paper), plass g slow and no material showing logged up bit is pulverized woo	I im in drillarte how
30				: gravel amount 80% - demolitic	
40					
50			Increase in sand	i amount - demolition debris, n	o trash.

APPENDIX C LEACHATE WELL LOGS

STATUS AS OF MAY 1990

(SWAT DATA REQUIREMENTS COMPLETED)

NAME - Hewitt Landfill (Closed)

OWNER - CalMat Properties

LOCATION - North Hollywood District, between the Hollywood Freeway and Laurel Canyon Blvd, and north of Sherman Way. Just southwest of the Rinaldi-Toluca well field.

GEOLOGY - Holocene and Late Pleistocene alluvium of the San Fernando Basin.

GROUND WATER FLOW DIRECTION - A little north of east.

GENERAL OPERATIONS - Operated by Los Angeles By-Products Company.

Opened to the public from 1962 to November 12, 1975. Below Elevations 555 to 560, waste was limited to solid inert materials. Above those elevations, accepted solid commercial and residential waste.

GAS CONTROL SYSTEM - Installed during the mid-70's, and about 12 years after landfilling started.

<u>VADOSE ZONE MONITORING</u> - Two Timco teflon lysimeters were installed to depths of 50 and 52 feet. Too little moisture to sample.

LEACHATE MONITORING - A leachate well drilled in the trash showed moist conditions but no free leachate.

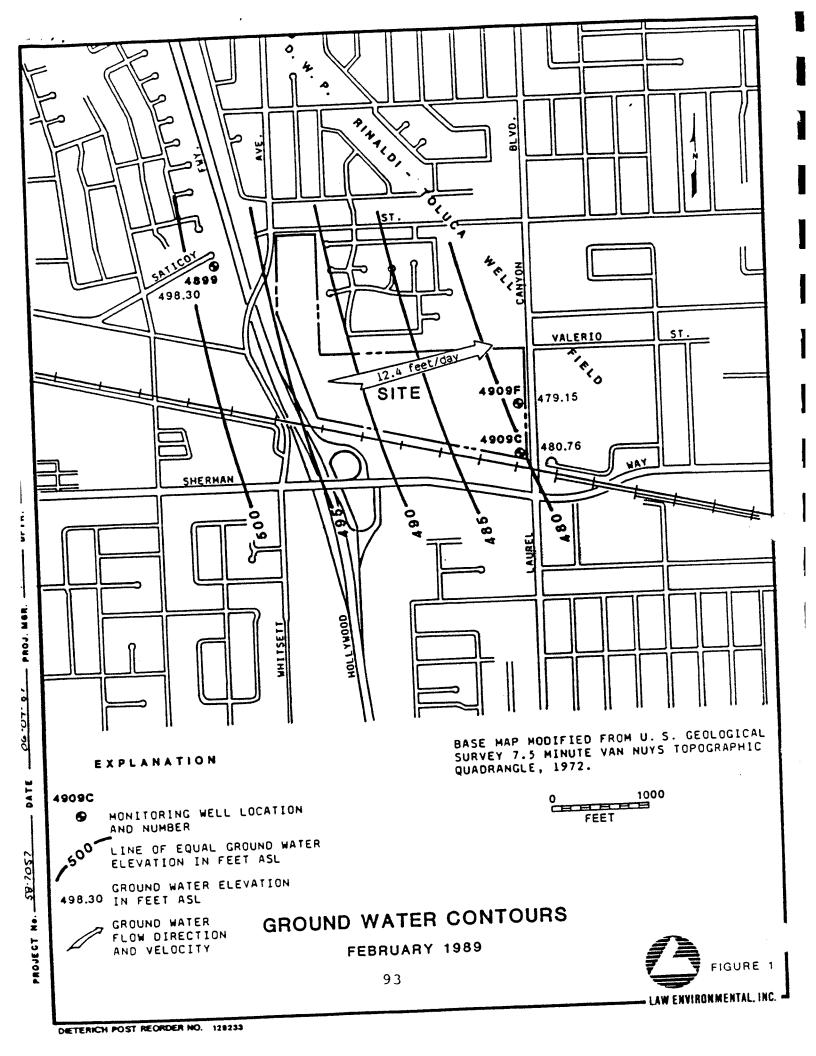
GROUND WATER QUALITY MONITORING - Has one upgradient and two down-gradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show TCE and PCE above action levels, and high nitrates (over 70 mg/1). These are believed to be derived from upgradient sources the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate can not be an important contributor to ground water.

REPORTS

SWAT (Rank 2) - June 6, 1988 - Law Environmental

Supplement - July 1, 1989 - Law Environmental

REGIONAL BOARD -



STATUS AS OF MAY 1991

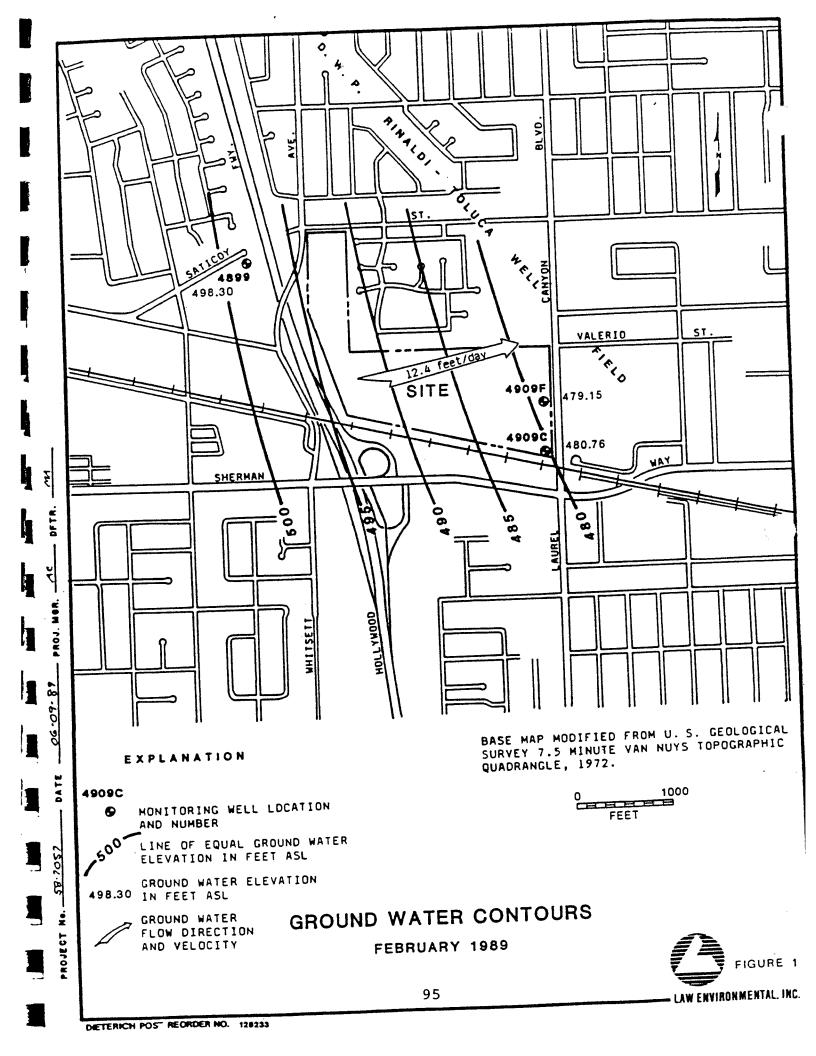
(SWAT DATA REQUIREMENTS COMPLETED)

- NAME Hewitt Landfill (Closed)
- OWNER CalMat Properties
- LOCATION North Hollywood District, between the Hollywood Freeway and Laurel Canyon Blvd, and north of Sherman Way. Just southwest of the Rinaldi-Toluca well field.
- GEOLOGY Holocene and Late Pleistocene alluvium of the San Fernando Basin.
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 Elevations 555 to 560, waste was limited to solid inert
 materials. Above those elevations, accepted solid commercial
 and residential waste.
- GAS CONTROL SYSTEM Installed during the mid-70's, and about 12 years after landfilling started.
- <u>VADOSE ZONE MONITORING</u> Two Timco teflon lysimeters were installed to depths of 50 and 52 feet. Too little moisture to sample.
- LEACHATE MONITORING A leachate well drilled in the trash showed moist conditions but no free leachate.
- GROUND WATER QUALITY MONITORING Has one upgradient and two down-gradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show TCE and PCE above action levels, and high nitrates (over 70 mg/l). These are believed to be derived from upgradient sources the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate can not be an important contributor to ground water.

REPORTS

- SWAT (Rank 2) June 6, 1988 Law Environmental Final SWAT report July 1, 1989 Law Environmental
- REGIONAL BOARD Report is under review. Further groundwater monitoring may be required under Chapter 15.



STATUS AS OF MAY 1992

Solid Waste Assessment Test (SWAT) Data Requirements Completed

NAME OF LANDFILL - Hewitt Landfill (Closed)

OWNER - Cal Mat Properties

<u>LOCATION</u> - North Hollywood District, between the Hollywood Freeway and Laurel Canyon Boulevard, and north of Sherman Way. Just southwest of the Rinaldi-Toluca Well Field.

GEOLOGY - Holocene and Late Pleistocene alluvium of the San Fernando Basin.

GROUNDWATER FLOW DIRECTION - A little north of east.

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GAS CONTROL SYSTEM - Installed during the mid-70s, and about 12 years after landfilling started.

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<u>LEACHATE CONTROL AND MONITORING</u> - A leachate well drilled in the trash showed moist conditions but no free leachate.

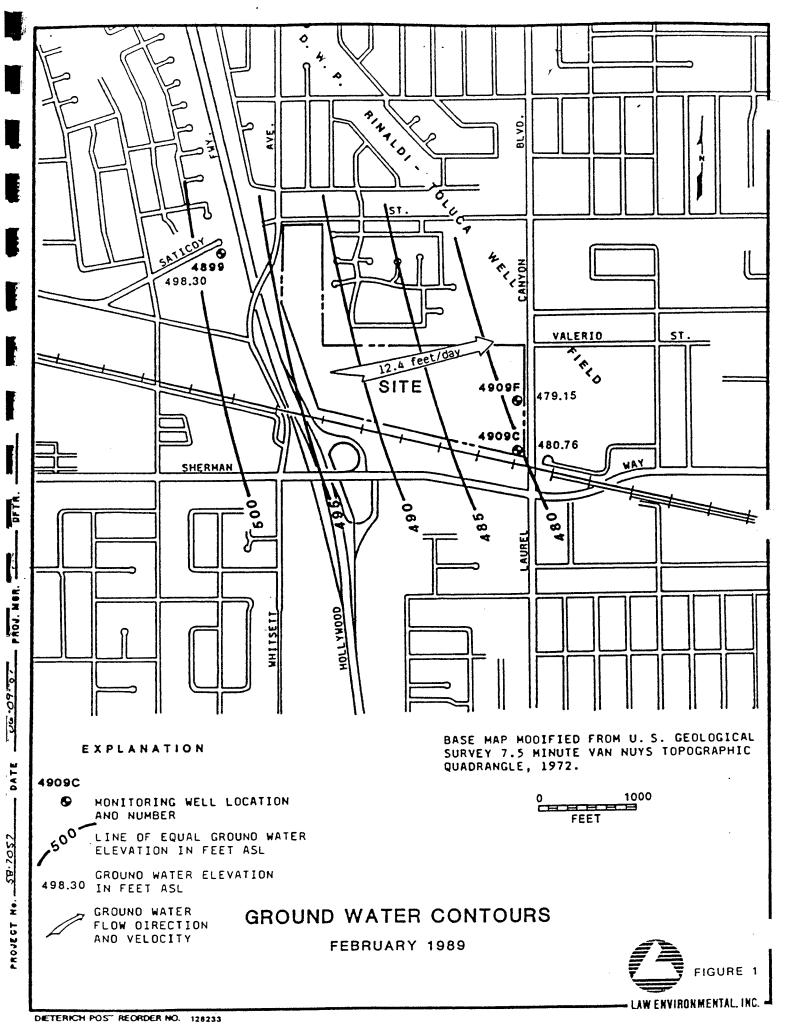
GROUNDWATER QUALITY MONITORING - Has one upgradient and two downgradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show trichloroethene (TCE) and tetrachloroethene (PCE) above action levels, and high nitrates (over 70 mg/1). These are believed to be derived from upgradient sources the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate can not be an important contributor to groundwater.

REPORTS -

SWAT (Rank 2) - June 6, 1988 - Law Environmental Final SWAT Report - July 1, 1989 - Law Environmental

STATUS WITH LOS ANGELES REGIONAL WATER QUALITY

<u>CONTROL BOARD</u> - Report is under review. Further groundwater monitoring may be required under Chapter 15.



STATUS AS OF MAY 1993

Solid Waste Assessment Test (SWAT) Data Requirements Completed

NAME OF LANDFILL - Hewitt Landfill (Closed)

OWNER - CalMat Properties

<u>LOCATION</u> - North Hollywood District, between the Hollywood Freeway and Laurel Canyon Boulevard, and north of Sherman Way. Just southwest of the Rinaldi-Toluca Well Field.

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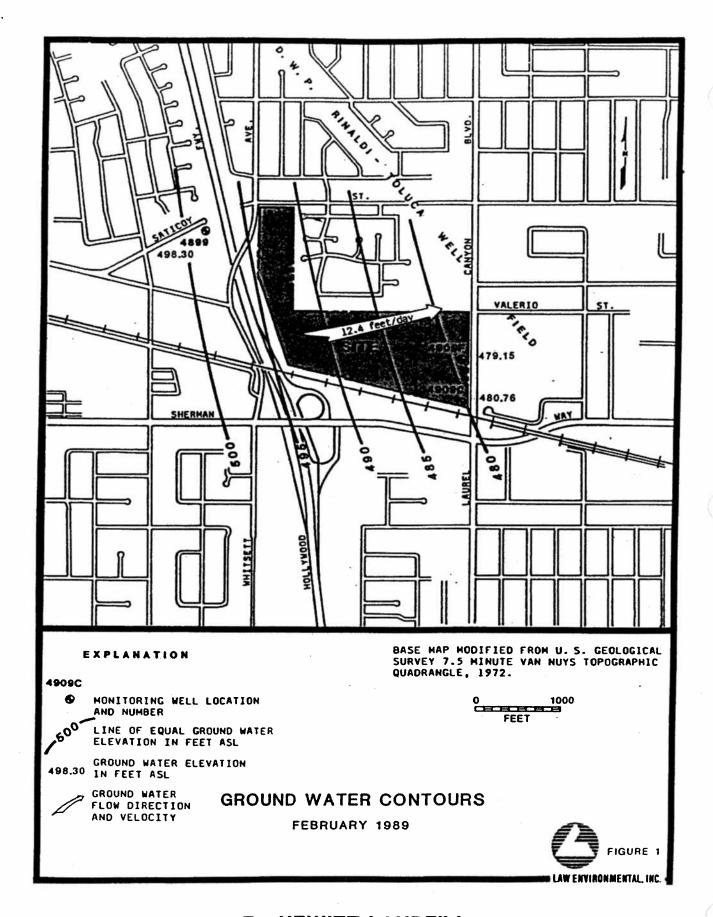
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GROUND WATER QUALITY MONITORING - Has one upgradient and two downgradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show trichloroethylene and tetrachloroethylene above action levels, and high nitrates (over 70 mg/l). These are believed to be derived from upgradient sources, the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate cannot be an important contributor to ground water.

REPORTS -

SWAT Report (Rank 2) - June 6, 1988 - Law Environmental Final SWAT Report - July 1, 1989 - Law Environmental

STATUS WITH LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD - Approved SWAT Report May 1991. No further action required at this time.



7. HEWITT LANDFILL

STATUS AS OF MAY 1994

SWAT Completed

NAME OF LANDFILL - Hewitt Landfill (Closed)

OWNER - CalMat Properties

<u>LOCATION</u> - North Hollywood District, between the Hollywood Freeway and Laurel Canyon Boulevard, and north of Sherman Way. Just southwest of the Rinaldi-Toluca Well Field.

GEOLOGY - Holocene and Late Pleistocene alluvium of the San Fernando Basin.

GROUND WATER FLOW DIRECTION - A little north of east.

GENERAL OPERATIONS - Operated by Los Angeles By-Products Company. Opened to the public from 1962 to November 12, 1975. Below elevations 555 to 560 feet waste was limited to solid inert materials. Above those elevations, accepted solid commercial and residential waste.

GAS CONTROL SYSTEM - Installed during the mid-70s, and about 12 years after landfilling started.

<u>VADOSE ZONE MONITORING</u> - Two Timco Teflon Lysimeters were installed to depths of 50 and 52 feet. Too little moisture to sample.

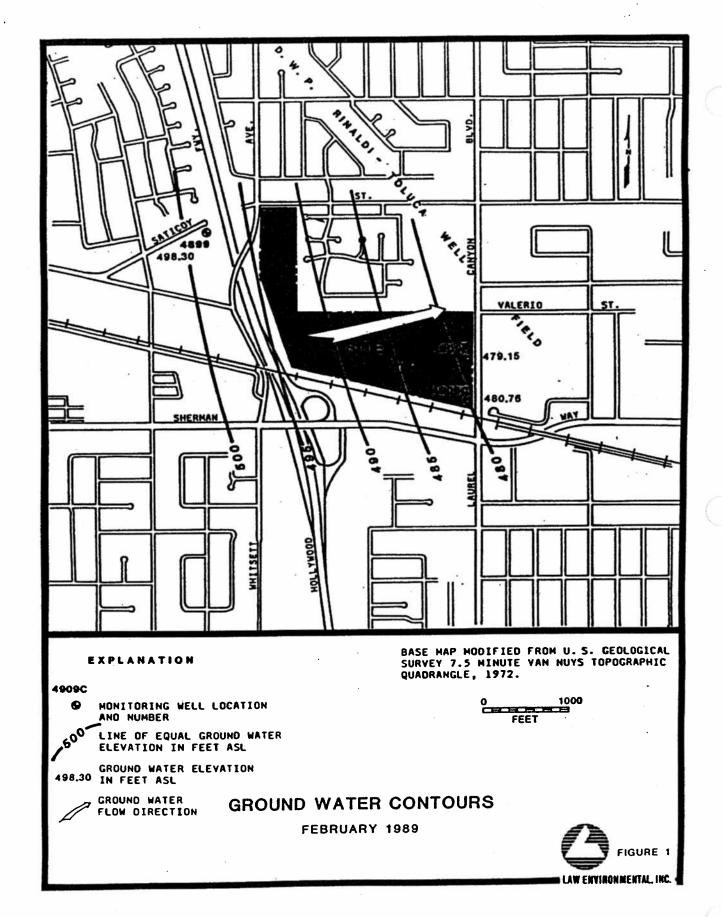
<u>LEACHATE CONTROL AND MONITORING</u> - A leachate well drilled in the trash showed moist conditions but no free leachate.

GROUND WATER QUALITY MONITORING - Has one upgradient and two downgradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show trichloroethylene and tetrachloroethylene above action levels, and high nitrates (over 70 mg/l). These are believed to be derived from upgradient sources, the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate cannot be an important contributor to ground water.

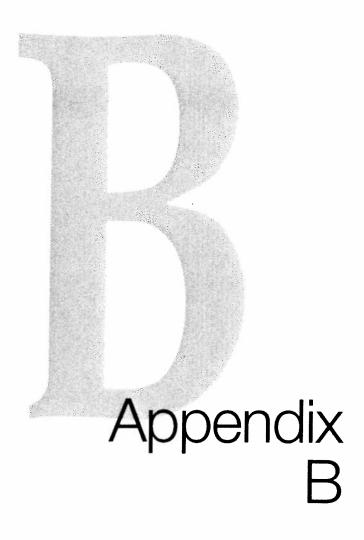
REPORTS -

SWAT Report (Rank 2) - June 6, 1988 - Law Environmental Final SWAT Report - July 1, 1989 - Law Environmental

STATUS WITH LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD - SWAT Report approved in May 1991. Non-hazardous substances were detected but were below State drinking water regulatory levels. No further monitoring will be required.



7. HEWITT LANDFILL



Appendix B Personal Communication Documentation

TELEPHONE CALL REPORT

CDM

vironmental engineers, scientists, nners, & management consultants Firm/Office: Franc

Date: 5-19-06

Job No: 22517-51079-

EPA 104

Project:	: Vulcan- Hewitt Landfill	

Make by/Received by: _______Distribution:

Talked with: George Cosby

Date and Time: 5-19-06

George Cosby former vice president Hewitt Landfill, 37 years with 1955 Consolidated rock - Confock - ColMat - Hewitt (1963-2000)

The land settled and stormwater pooled. Cosby purchased - 500,000 yd. or soil in -1981 from the Freeway 118 project.

Methane was found in vadose zone in adjacent homes (we have data on this) SCS conducted air monitoring at landfill and at homes extracted soil vapor, by plumbing into existing flare at landfill 1st plane was no good. Purchased a 2nd one.

No chemical used at Howitt, no MSDS, no HAZWASCE Business Plan UST: LA Byproducts had one diesel ust removed by CALMAT NO septic-tank(s)

Sewer connected to LA City sewer for self storage and tenants

Stormwater drainage quite a problem at Hewitt, Stormwater runoff from nearby hills/Mtus Pladed Hewitt on numerous occassions. The flare flooded once (14-15' standing water) which once released by Hewitt flooded Hollywood freeway

A Self storage Co. Was down-drainage from Howitt. CALTRIANS built storm drain for thus self Storage co. (

CDM

TELEPHONE CALL REPORT

rvironmental engineers, scientists, ryners, & management consultants Firm/Office: Trvinc

Date: 5-17-06

Job No: 27517-51079-

EPA-104

Project: Vulcan - Hewith Landfill Storage Facility	
Make by/Received by:	Distribution:
Talked with: Steve Botsford	
Date and Time: 5-17-06	

Steve owns the storage facility that comprises ~ 5 acres of Hewitt Landfill (60 acres). Steve leases Hewitt Landfill from Vulcan and has 30 years left on lease.

Per steve:

- · NO MSDS onsite,
- No Hazardous Waste Brismess Plan because lease does not allow for storage of any hazardous materials.
- . No septic tanks on site.
- · Two hook ups to Sanitary Sower,
- · One u 300 gallon AST contains diesel,

CDM

TELEPHONE CALL REPORT

nvironmental engineers, scientists, anners, & management consultants Firm/Office: Frying

Date: 5-22-06

Job No: _____

Project: <u>Vulcau</u>								
Make by/Received by:								
Talked with: Jerry Undaman								
Date and Time: 5-22-06 2:30 pm								

NO AST, or UST, at either Pick Your Part Facilities (Glenoaks or Tujunga).

Aggregate plant only as far as industrial activities.

Maintenance Shop for both Ancilities

- Calmat worked on "rock crusher" components at this shop
- equipment repair

Chemicals onste:

Diesel fuel for trucks and equipment

Appendix C Appendix C Stormwater Discharge Annual Reports, Laurel Canyon Facility, 1999-2005

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2004-2005 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED

WITH INDUSTRIAL ACTIVITIES NO 1 D#

BY

Reporting Period July 1, 2004 through June 30

粗 Y

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers, and e-mail addresses of the Regional Board contacts, as well as the Regional Board Offices addresses are indicated below.

REGIONAL BOARD INFORMATION:

Los Angeles Region 320 W.4th Street, Ste.200 Los Angeles, CA 90013

Contact: Sumaira Noreen Tel: (213) 620-6363

Email: kchung@waterboards.ca.gov

GENERAL INFORMATION

A. Facility Information:

Hewitt Landfill Closed 7361 Laurel Canyon Blvd North Hollywood, CA 91605

WDID No: 4 191002767

Contact: Bill Woyshner BILL BENNETT

Tel: (323) 258-2777

Email:

SIC Code(s):

4953

Refuse Systems (CLOSEP LANDFILL)

B. Facility Operator Information:

Calmat Co 3200 San Fernando Rd Los Angeles, CA 90065

Contact: Bill Woyshner BILL BENNETT

Email:

Tel: (323) 258-2777

C. Facility Billing Information:

Calmat Co 3200 San Fernando Rd Los Angeles, CA 90065

Contact: Susana Perez BILL BEUNETT

Email:

Tel: (323) 258-2777

Additional Table D Parameters: Fe (Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)

Material Entered Into the File

Count	y 19 S	Sequ	ence 002767	
Operat	or Name	CALMAT (CO	
Facilit	vName	Hewitt Land		
Date	То	From	Subject	Location:
3/30/92	R4	Permittee	NOI	File
6/30/93	R4	Permittee	Annual Rport 1992-1993	File
6/5/97	R4	Permittee	Notice of Intent	File
6/26/00	R4	Permittee	(Copy) Annual Report 1999-2000	File
6/26/00	R4	Permittee	Annual Report 1999-2000	File
6/18/01	R4	Permittee	Annual Report 2000-2001(Copy)	File
6/18/01	<u></u> 154	Permittee	Annual Report 2000-2001	File
6/7/02	R4	Permittee	Annual Report 2001-2002	File
4/28/03	R4	Permittee	Notice of Intent- Change of information	File
5 30 03	R4	Permittee	Annual Report 2002-2003	File
9230.03	К4	Permittee	Letter- submitting NOT to cancel existing storm water permit at their "closed" landfill facility.	File
10.8/03	R4	Permittee	Notice of Termination	File
10/31/03	File	R4	Inspection Report- Compliance/ NOT	File
11/3/03	Permittee	R4	Letter- Denial of Notice of Termination	File
1,41/3	Fre	Paren	Record of James Lection	
0/7/34	R#	Permittee	Annual Report 2003, 2004	
11-1.5	RA	' emilee	A rose Report NEAL SEE	

2004-2005 ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D	. <u>S</u>	AMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS			
	1.	For the reporting period, was your facility exempt from colle accordance with sections B.12 or 15 of the General Permit?	cting and a	analyzir	ng samples from two storm events in
		YES Go to Item D.2	\boxtimes	NO	Go to Section E
	2.	Indicate the reason your facility is exempt from collecting ar copy of the first page of the appropriate certification if you ch	nd analyzin neck boxes	ıg samp i ii, iii, iv	oles from two storm events. Attach a
		i. Participating in an Approved Group Monitoring Pla	ın	Gro	up Name:
		ii. Submitted No Exposure Certification (NEC)		Date	e Submitted:
		Re-evaluation Date:			
		Does facility continue to satisfy NEC conditions?		YES	NO NO
		iii. Submitted Sampling Reduction Certification (S	RC)	Date	Submitted:
		Re-evaluation Date:			
		Does facility continue to satisfy SRC conditions?		YES	NO NO
		iv. Received Regional Board Certification	Certific	ation D	ate:
		v. Received Local Agency Certification		Cetif	ication Date:
	3.	If you checked boxes i or iii above, were you scheduled to sa	mple one s	storm e	vent during the reporting year?
		YES Go to Section E		NO	Go to Section F
	4.	If you checked boxes ii, iv, or v, go to Section F.			
E.	SAM	IPLING AND ANALYSIS RESULTS			
	1.	How many storm events did you sample?	item D.2	2.i or iii.	attach explanation (if you checked above, only attach explanation if you
	2.	Did you collect storm water samples from the first storm of th scheduled facility operating hours? (Section B.5 of the General	e wei seas	son tha	ELIGIBLE EVENT t produced a discharge during
		YES	\boxtimes	NO,	attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)
	3.	How many storm water discharge locations are at your facility	? 00	<u>E</u>	NO ELIGIBLE
					EVENT

4.	Fo sa	r each storm event sampled, did you collect and analyze a mple from each of the facilitys' storm water discharge locations?	XES, go t	o Item E.6	NO NO
5.		as sample collection or analysis reduced in accordance h Section B.7.d of the General Permit?	X YES	NO, a	ittach explanation
	If " tha	YES", attach documentation supporting your determination at two or more drainage areas are substantially identical.			
	Da	te facility's drainage areas were last evaluated			
6.	We	ere all samples collected during the first hour of discharge?	X YES	NO, a	ttach explanation
7.	Wa wo	as <u>all</u> storm water sampling preceded by three (3) rking days without a storm water discharge?		NO, a	ttach explanation
8.	We ten	re there any discharges of stormwater that had been porarily stored or contained? (such as from a pond)	YES	NO, g	o to Item E.10
9.	cont	you collect and analyze samples of temporarily stored or ained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above)	YES	NO, a	ttach explanation
10.	Spec	ion B.5. of the General Permit requires you to analyze storm wat cific Conductance (SC), Total Organic Carbon (TOC) or Oil and C orm water discharges in significant quantities, and analytical par	Frease (O&G), ot	her pollutants I	likely to be present
	a.	Does Table D contain any additional parameters related to your facility's SIC code(s)?	X YES	NO, G	io to Item E.11
	b.	Did you analyze all storm water samples for the applicable parameters listed in Table D?	X YES	□ NO	
	C.	If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:			
		In prior sampling years, the parameter(s) have not be consecutive sampling events. Attach explanation	en detected in sig	inificant quanti	ities from two
		The parameter(s) is not likely to be present in storm w discharges in significant quantities based upon the factors.	ater discharges a ility operator's ev	and authorized valuation. Atta	non-storm water
		Other Attach explanation			
11.	For e resul	each storm event sampled, attach a copy of the laboratory analytits using Form 1 or its equivalent. The following must be provide	cal reports and red d for each sample	eport the samp e collected:	oling and analysis
	•	Name and title of sampler. Parameters tested. Name of analytical testing laboratory. • Test • Test • Dat	sting results. It methods used. It detection limits It of testing. It is in the labora	i.	results.

F. QUARTERLY VISUAL OBSERVATIONS

1.	Sec	utnorized Non-Storm Water Discharges fection B.3.b of the General Permit requires quarterly visual observations of all authorized non-storn ischarges and their sources.	ı water
	a.	. Do authorized non-storm water discharges occur at your facility?	
		YES NO Go to Item F.2	
	b.		rces s. Indicate
		July -September YES NO N/A October-December YES NO	If the General Permit requires quarterly visual observations of all authorized non-storm water it their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their sources. It their you visually observed all authorized non-storm water discharges and their sources a quarters without any authorized non-storm water discharges. It their yes NO N/A October-December YES NO N/A If yes NO N/A April-June YES NO April-June YES N
		3.b of the General Permit requires quarterly visual observations of all authorized non-storm water is and their sources. suthorized non-storm water discharges occur at your facility? YES	
	C.	Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information.	
		 i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm discharges. Provide new or revised BMP implementation date. 	
2.	Sect	nauthorized Non-Storm Water Discharges ection B.3.a of the General Permit requires quarterly visual observations of all drainage areas to det esence of unauthorized non-storm water discharges and their sources.	ect the
	a.	Indicate whether you visually observed all drainage areas to detect the presence of unauthorized storm water discharges and their sources. Attach an explanation for any "NO" answers.	l non-
		July -September X YES NO October-December X YES	NO
		January-March X YES NO April-June X YES	NO
	b.	Based upon the quarterly visual observations, were any unauthorized non-storm water discharge	s detected?
	C.	Have each of the unauthorized non-storm water discharges been eliminated or permitted?	
		YES NO Attach explanation	
	d.	Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or following information.	provide the
		 ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. 	water

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during rge.

	the f	irst hour of dis	charge or,	in the case of ten	nporarily store	ed or containe	d storm water, at	the time of discharge.
	1.	storm events	occurred d occurred t d provide t	pranation for an uring scheduled f	y "NO" ansv facility operat	vers . Include ing hours that	in this explanatio	ed at <u>all</u> discharge n whether any eligible a storm water there was no storm
		October	YES	NO		February	YES	NO
		November	\boxtimes			March	$\overline{\boxtimes}$	
		December	\boxtimes			April	\boxtimes	$\overline{\Box}$
		January	\boxtimes			May	\boxtimes	
	2.	Report mont	hly wet sea	son visual observ	ations using	Form 4 or pro	ovide the following	j information.
NUAI	L COI	c. charact d. any ne Provide	w or revised new or rev	he discharge (i.e.	y to reduce o nentation date	r prevent pollu e.	rce of any polluta utants in storm wa	nts observed. ater discharges.
ACS	SCE C	<u>HECKLIST</u>						
shal mini	l be re mum s	vised and imp	lemented, a ry to compl	ducted within 8-1 as necessary, with ete a ACSCE In	6 months of e hin 90 davs o	each other. T. f the evaluatio	he SWPPP and n	porting period (July 1- nonitoring program below includes the p below. Attach an
1.	Have The f	you inspected ollowing areas	d all potenti s should be	al pollutant sourcinspected:	es and indus	trial activities	areas? 🔀 YES	□ NO
	• c	areas where sphe last year. Soutdoor wash a process/manual pading, unload vaste storage/lust/particulate prosion areas.	and rinse ar acturing ard ding, and tra disposal ard	eas. ansfer areas. eas.	during •	material sto vehicle/equi truck parkin rooftop equi vehicle fueli	pair, remodeling, a grage areas ipment storage ar g and access are ipment areas ng/maintenance a vater discharge ge	eas as areas
2.	Have poten	you reviewed tial pollutant s	your SWPF ources and	PP to assure that I industrial activition	its BMPs addess areas?	dress existing	✓ YES	NO NO
3.	Have is up-	you inspected to-date? The	the entire following si	facility to verify th te map items sho	at the SWPP ould be verifie	P's site map, d:	∑ YES	□ NO

facility boundaries

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2.

3.

- outline of all storm water drainage areas
- areas impacted by run-on

- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4.	Have you reviewed all General Permit compliance reco	orde ac	norated		
••	since the last annual evaluation?	ords ge	Herated	X YES	S NO
	The following records should be reviewed:				
	 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	•	quarterly unauth water discharge Sampling and A preventative ma and maintenance	visual obser nalysis recoi intenance in	rvations rds
5.	Have you reviewed the major elements of the SWPPP compliance with the General Permit?	to assu	ıre	⊠ YES	□ NO
	The following SWPPP items should be reviewed:			-	
	 pollution prevention team list of significant materials description of potential pollutant sources 	•	implemented for	description	utant sources of the BMPs to be ial pollutant source
6.	Have you reviewed your SWPPP to assure that a) the I in reducing or preventing pollutants in storm water disc non-storm water discharges, and b) the BMPs are being the following RMP extraoring should be assured to the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of	hardes	and authorized	⊠ YES	Пио
	The following BMP categories should be reviewed:				
	 good housekeeping practices spill response employee training erosion control quality assurance 	•	preventative ma material handlin waste handling/s structural BMPs	g and storag	e practices
7.	Has all material handling equipment and equipment neimplement the SWPPP been inspected?	eded to		YES YES	□ио
AC:	SCE EVALUATION REPORT				
The	facility operator is required to provide an evaluation repo	ort that i	ncludes:		
•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions	•	schedule for implany incidents of ractions taken.		NPPP revisions nce and the corrective
Use	Form 5 to report the results of your evaluation or develo	p an ed	uivalent form.		
<u>ACS</u>	SCE CERTIFICATION				
The cert	facility operator is required to certify compliance with the fy compliance, both the SWPPP and Monitoring Program	Indust	rial Activities Stor be up to date and	m Water Gei be fully impl	neral Permit. To emented.
Bas Acti	ed upon your ACSCE, do you certify compliance with the vities Storm Water General Permit?	Industi	ial 🔀 YE	is (NO
If yo	u answered "NO" attach an explanation to the ACSCE I	Evaluat I Permi	ion Report why yo	u are not in	

I.

J.

ATTACHMENT SUMMARY

A	pplicable) to questions 2-4 if you are not required to provide those attact	ed to the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of the ship of	this anni :s.	ual report. Answe	r NA (Not	
1.	Have you attached Forms 1,2,3,4, and 5 or their equivalent?	\boxtimes	YES (Mandatory)		
2.	If you conducted sampling and analysis, have you attached the laboratory analytical reports?	\boxtimes	YES	☐ NO		NA
3.	If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?		YES	☐ NO	\boxtimes	NA
4.	Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	\boxtimes	YES	☐ NO		NA
ΑI	NNUAL REPORT CERTIFICATION					
ve oe wh su sig	am duly authorized to sign reports required by the INDUSTRIAL A ERMIT (see Standard Provision C.9) and I certify under penalty of the prepared under my direction or supervision in accordance with the properly gather and evaluate the information submitted. The manage the system, or those person directly responsible for graph individuals in the properly gather and knowledge and belief, true, accurate graph graph in the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the 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>r	inted Name: Bill Beanell					
Się	gnature: 3 in 73 Sur			Da <u>te: </u>	- 25-	05
۲it	de: Land Eill MCD			- 1 may mand		

2004 - J5 ANNUAL REPORT

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDS)

- Quarterly dry weather visual observations are required of each authorized NSWD. Observe each authorized NSWD source, impacted drainage area, and discharge location.

QUARTER:			
JULY-SEPT.	Observers Name: 13:11 12 church		
DATE:	Title: Land Fill MGR.	WERE ANY AUTHORIZED NSWDS	
9 130/04	Signature: 75 - X	DISCHARGED DURING THIS QUARTER?	-
OUARTER			
OCTDEC.	Observers Name: T3:11 TSCMA CIL		
DATE:	Title: Land Fill McR.	WERE ANY AUTHORIZED NSWDS	
12130104	Signature: 7 Signature:	DISCHARGED DURING THIS QUARTER?	
QUARTER			
JANMARCH	Observers Name: Bill Brunes		
DATE:	Title: Land Fill MCR.	WERE ANY AUTHORIZED NSWDs	
3/31/05	Signature: 75 27	DISCHARGED DURING THIS QUARTER?	
QUARTER:			
APRIL-JUNE	Observers Name: 75 11 TS- Name		
DATE:	Title: Land Fill MGR	WERE ANY AUTHORIZED NSWDs	7
5/25/05	Signature: 12 12	DISCHARGED DURING THIS QUARTER?	

2004 - 2003 ANNUAL REPORT

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE							
DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.	At the NSWD Drainage Area and Discharge Location						
DESCRIBE AI CHARA Indicate whether authori discolored, causing stai	At the NSWD Source						
NAME OF AUTHORIZED NSWD	EXAMPLE: Air conditioner condensate						
SOURCE AND LOCATION OF AUTHORIZED NSWD	EXAMPLE: Air conditioner Units on Building C						
DATE /TIME OF OBSERVATION		. AM	 AM	/ /	- AM	AM PM	AM

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FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDS) ANNUAL REPORT

Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.

Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.

Quarterly visual observations are required during dry weather and at all facility drainage areas.

Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed. with Section A.10.e of the General Permit.

Make additional copies of this form as necessary.

OUARTER: JUI Y.SEDT				
DATE/TIME OF	Observers Name: 13:11 12 - march	WERE UNAUTHORIZED		
<u>S</u>	Title: Land Fill MCR.	NSWDs OBSERVED?	YES (I	(NO)
9/20/03 10:00 PM	12	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWD87	YES	(OX
QUARTER: OCTDEC.			7	
DATE/TIME OF	Observers Name: Bill Bruns U	WERE UNAUTHORIZED	·	(
OBSERVATIONS	Title:	NSWDS OBSERVED?	YES	(NO)
MA POLTICI	72	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDS?	YES	<u>6</u>
QUARTER: JAN -MARCH)
DATE/TIME OF	Observers Name: Till Trans	WERE UNAUTHORIZED		(
OBSERVATIONS	Title: Land Fill MC 2.	NSWDs OBSERVED?	YES (N	(NO)
3/31/05 2:0s	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDS?	YES	OX
QUARTER: APRILJUNE				
DATE/TIME OF	Observers Name: 75:11 (Zenneral	WERE UNAUTHORIZED		
OBSERVATIONS	Title: Land Fill MCR	NSWDs OBSERVED?	YES NO	601
5/25/05 9:30 PM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	YES (NO	6

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FORM 3 QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

										
	DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED	DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.								
	Indicate unauthorized NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE I OCATION								
DECORDE HIMANES	DESCRIBE UNAUTHORIZE Indicate whether unauthor discolored, causing stains; α sheen, ha	AT THE UNAUTHORIZED NSWD SOURCE								
SOURCE AND	LOCATION OF UNAUTHORIZED NSWD	EXAMPLE: NW Comer of Parking Lot								
NAME OF	UNAUTHORIZED NSWD	EXAMPLE: Vehicle Wash Water		,						
OBSERVATION	DATE (FROM REVERSE SIDE)			AM	1 1 .	 AM	1 1	PM	1 1	AM PM

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES ANNUAL I ORT

2004 - ~ 5

Storm water discharge visual observations are required for at least one storm

event per month between October 1 and May 31.
Visual observations must be conducted during the first hour of discharge at all discharge locations.

Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

		77	Ģ,					
Josephation Date: October 2c_ 2004		- -	7#		#3		#4	
Deservers Name (15,11)	Drainage Location Description	Storm Dorin						
	Ohservation Time	A		P.M.		P.M.		7.0
Title Land Fill MCR.		8 · 00 · K	••	A.M.	••	A.A.	••	. A
Signature 75 Li 27	Time Discharge Began	7:00 A.M.	••	P.M.		P.M.		P.M.
	Were Pollutants Observed (If yes, complete reverse side)	O/V			•	Σ̈́		A.M.
bservation Date: November 30 2001		#1	42		CFF			
	Drainage Location Description		ł		? *		#	
bservers Name 75 11 75 - 17		SION Drain			į			
itte:	Observation Time	8:08 (A.M.		P.M. A.M.	• •	₽. ₽ Ж. №		P.M.
,	Time Dischams Bases	MA.		P.M		PM		A.M.
ignature: 15xx 13	Were Pollutants Observed	F:70 (A.M)	••	A.M.	••	A.M.	••	J 4
	(if yes, complete reverse side)	NO		***********				
bservation Date: December 24, 2004		#1	#2		7			
	Drainage ocation		l :		2		#	
bservers Name: 72,11 73,200	Bud Depo in the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contr	Storm Drain						
The Tayle To the Tayle T	Observation Time	7:00 PM		P.M.		P.M.		P.M.
		P.M.		PM				A.M.
ignature: 13 × 13	Were Pollutants Observed	7:30 (K.N)		A.M.		. Α Σ Σ	••	—— ∑. ≥
	(If yes, complete reverse side)	No						
bservation Date: January 3 2005		#1	#2		#3		7#	
Sservers Name 72 11 12 12 12 12 12 12 12 12 12 12 12 12	Drainage Location Description	Story Demi) :		Į.	
	Observation Time	W.C.		P.M.		P.M.		70
ue Lamb (-: 1) MCR.		Wd oo.	•	A. A.		A.M.		A.M.
gnature: 72 4 72 S	Time Discharge Began Were Politiants Observed	7:20 CENT	••	Y. A.	••	Θ. Α. Σ. Σ.		P. A
	(if yes, complete reverse side)	020						ž.

2004 - 7 - 2004 ANNUAL 1 - 3 ORT

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF	MPLEMENTATION							
IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	EXAMPLE: Oil sheen caused by oil dripped by	account venice interior and a						
DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS	Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.							
DESCRIPTION	EXAMPLE: Discharge from material storage Area #2							
OBSERVATION (From Reverse Side)			: AM	PM	1 1	 PM	 PM	B AM

2004 - 2005

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES ORT ANNUAL .

Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
Visual observations must be conducted during the first hour of discharge

at all discharge locations.
Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

		P.W.	P S	ž.			P.W.	P.M.		T		P.K	G G	ξ			P A	D A	
4					4									•				•	
#		P. A.	P.W.		#		P.M.	P.M.		#		P. W	P.W.	É	#	**************************************	P.M.	P.M.	
3							••							•				••	
£#3	:	P.M.	P.M. A.M.		#3		P.M.	P.M. A.M.		#3		P.M.	P.W.		#3		P.M. A.M.	P.M.	
2		••					••	••					••				••		
7#		A.M.A			#2	(A.M.	1		#2	tz.		P.M. A.M.		#2		İ	₹	
#1	- June (1)	2:00	2:00		#1	Draw	۵۶: ۶	2:00		#1	Nene	••	••		#1	Drain	02:01	10:00	
	Drainage Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed (If yes, complete reverse side)		Drainage Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed (If yes, complete reverse side)		Drainage Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed (If yes, complete reverse side)	#	Drainage Location Description	Observation Time	Time Discharge Began	vere Polluants Observed (If yes, complete reverse side)
Dbservation Date: February 기 2005)hservers Name 7, 11	Title : The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	Signature 12 2 1		Observation Date: March 18 2005	The arrange Name 17: 11		() 12 V = 1		bservation Date: April 3Q 2005	Shearver Name	The Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co		Worlding C - 200	bservation Date: May 2 2005	bservers Name. TSI (1 Brown	ille: Lant (-1) Mak	ionature Riving	

2004 - 2005 **ANNUAL I ORT**

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION									
IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.								
DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS	Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.								
DRAINAGE AREA DESCRIPTION	EXAMPLE: Discharge from material storage Area #2								
DATE/TIME OF OBSERVATION (From Reverse Side)		 AM :	1 1	AM	1 1	AM	AM	1 1	 AM PM

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2004 - 7 - 5

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION

Describe additional/revised BMPs or corrective actions and their date(s) of Describe additional/revised BMPs or corrective actions and their date(s) of Describe additional/revised BMPs or corrective actions and their date(s) of corrective actions and their date(s) of implementation Describe additional/revised BMPs or implementation implementation implementation SIGNATURE: 13 N. Describe deficiencies in BMPs or BMP Describe deficiencies in BMPs or BMP Describe deficiencies in BMPs or BMP Describe deficiencies in BMPs or BMP MCR. implementation Implementation Implementation TITE: Leand Fill Bruns ¥ES SES YES YES NO XES NO YES NO YES YES HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ARE ADDITIONAL/REVISED BMPs NECESSARY? ALUATION DATE: \$ 125/05 INSPECTOR NAME: 73.11 ARE ADDITIONAL/REVISED BMPs NECESSARY? HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ARE ADDITIONAL/REVISED BMPs NECESSARY? Drain and Batevanius SOURCE/INDUSTRIAL ACTIVITY AREA SOURCE/INDUSTRIAL ACTIVITY AREA SOURCE/INDUSTRIAL ACTIVITY AREA OURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) (as identified in your SWPPP) (as identified in your SWPPP) POTENTIAL POLLUTANT POTENTIAL POLLUTANT (as identified in your SWPPP) POTENTIAL POLLUTANT POTENTIAL POLLUTANT ary ary

YES NO

ARE ADDITIONAL/REVISED BMPs NECESSARY?

Enviro-Chem, Inc. L 1214 E. Lexington Ave Pomona, CA 91766 Tel: (909) 590-5905 Fax: CA-DHS ELAP CERTIFICA	(909) 590-5907	Turnatoul Same Day 24 Hours 48 Hours 0 72 Hours Week (S Other:	,	×	OF CONTAINERS	TEMPERATURE	PRESERVATION	155 SS 53	0/12/10	Mortal Wasa		1	1/		/	\int	MIsc.	
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ENVIRO-CHEM, INC.

909 590 5907 P.02/06

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CAL WHET ENVIRONMENTAL SERVICES,

2386 FIRST STREET, LA VERNE, CA 91750

TEL (909) 593-7731 FAX (909) 593-2362

PROJECT: Insurance Auto Auction

LOCATION: 7245 Laurel Canyon Blvd., North Hollywood, CA 91605

DATE SAMPLED: 04/28/05 DATE RECEIVED: 04/29/05

MATRIX: WATER DATE ANALYZED: 04/29-05/04/05

REPORT TO:MS. CATHY WILLIAMS DATE REPORTED: 05/06/05

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SAMPLE I.D.: Stormwater Sample site #1 LAB I.D.: 050429-37

PARAMETER	UNIT	SAMPLE RESULT	PQL	D¥	Method
SPECIFIC CONDUCTANCE	uMHOS/CM	72	5	1	120.1
TSS	MG/L	42	1	1	160.2
OIL & GREASE	MG/L	3	1	3 *	413.2
Antimony (8b)	MG/L	ND	0.02	1	20 0.7
Arsenic (As)	MG/L	ND	0.01	1	200.7
Barium (Ba)	MG/L	ND	0.10	1	200.7
Beryllium (Be)	MG/L	ND	0.01	1	200.7
Cadmium (Cd)	MG/L	ND	0.01	1	200.7
Chromium (Cr)	MG/L	ND	0.01	1	200.7
Cobalt(Co)	MG/L	ND	0.02	1	200.7
Copper (Cu)	MG/L	0.034	0.02	1	200.7
Lead (Pb)	MG/L	0.062	0.01	1	200.7
Mercury (Hg)	MG/L	ND	0.0005	2*	245.1
Molybdenum (Mo)	MG/L	ИD	0.1	1	200.7
Nickel (Ni)	MG/L	ND	0.05	1	200.7
Selenium (Se)	MG/L	ND	0.05	1	200.7
Silver(Ag)	MG/L	ИD	0.02	1	200.7
Thallium (T1)	MG/L	ND	0.02	1	200,7
Vanadium(V)	MG/L	ND	0.1	1	200.7
Zinc (Zn)	MG/L	0,313	0.02	1	200.7.
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COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

TSS = TOTAL SUSPENDED SOLLDS

uMHOS/CM = MICRO-MHOS PER CENTIMETER

MG/L = MILLIGRAM PER LITER = PPM

* = ACTUAL DETECTION LIMIT RAISED DUE NO LIMITED SAMPLE QUANTITY

DATA REVIEWED AND APPROVED BY:

ENVIRO-CHEM, INC.

909 590 5907 P.03/06

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CAL WEST ENVIRONMENTAL SERVICES.

2386 FIRST STREET, LA VERNE, CA 91750

TEL (909) 593-7731 FAX (909) 593-2362

PROJECT: Insurance Auto Auction

LOCATION: 7245 Laurel Canyon Blvd., North Hollywood, CA 91605

DATE SAMPLED: 04/28/05

DATE RECEIVED: 04/29/05

MATRIX: WATER

DATE ANALYZED: 04/29-05/04/05

REPORT TO: MS. CATHY WILLIAMS DATE REPORTED: 05/06/05

SAMPLE I.D.: Stormwater Sample site #2

LAB I.D.: 050429-38

					BPA
PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	method
SPECIFIC CONDUCTANCE	umhos/cm	57	5	ı	120.1
TBS	MG/L	37	1	1	160.2
OIL & GREASE	MG/L	ND	1	3*	413.2
Antimony (Sb)	MG/L	ND	0.02	1	200.7
Arsenic (As)	MG/L	ND	0.01	1	200.7
Barium (Ba)	MG/L	ND	0.10	1	200.7
Beryllium (Be)	MG/L	ND	0.01	1	200.7
Cadmium (Cd)	MG/L	DID	0.01	1	200.7
Chromium (Cr)	MG/L	-ND	0.01	1	200.7
Cobalt (Co)	MG/L	ND	0,02	1	200.7
Copper (Cu)	MG/L	0.026	0.02	1	200.7
Lead (Pb)	mg/l	0.021	0.01	1.	200.7
Mercury (Hg)	MG/L	ND	0.0005	2*	245.1
Molybdenum (Mo)	MG/L	ND	0.1	1	200.7
Nickel (Ni)	MG/L	ND	0.05	1	200.7
Selenium(Se)	MG/L	ND	0.05	1	200.7
Silver (Ag)	MG/L	ND	0.02	1	200.7
Thallium(T1)	MG/L	ND	0.02	1	200.7
Vanadium(V)	MG/L	ND	0.1	1	200.7
Zinc (Zn)	MG/L	0.390	0.02	ı	200.7

COMMENTS:

DF = DILUTION FACTOR

PQL - PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT - DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

TSS = TOTAL SUSPENDED SOLIDS

umhos/cm = micro-mhos per centimeter

MG/L = MILLIGRAM PER LITER = PPM

* - ACTUAL DETECTION LIMIT RAISED DUE TO LIMITED SAMPLE QUANTITY

DATA REVIEWED AND APPROVED BY:

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CAL WEST ENVIRONMENTAL SERVICES,

2386 FIRST STREET, LA VERNE, CA 91750

TEL (909) 593-7731 FAX (909) 593-2362

PROJECT: Insurance Auto Auction

LOCATION: 7245 Laurel Canyon Blvd., North Hollywood, CA 91505

DATE RECEIVED: 04/29/05 DATE SAMPLED: 04/28/05

DATE ANALYZED: 04/29-05/04/05 MATRIX: WATER

DATE REPORTED: 05/06/05 REPORT TO: MS. CATHY WILLIAMS _______

SAMPLE I.D.: Stormwater Sample site #3 LAB I.D.: 050429-39

					BPA.
PARAMETER	UNIT	SAMPLE RESULT	PQL	D T	method
SPECIFIC CONDUCTANCE	umhos/cm	124	5	1	120.1
TSS	MG/L	241	1	1	160.2
OIL & GREASE	MG/L	4	1	3*	413.2
Antimony (Sb)	MG/L	ND	0.02	1	200.7
Arsenio (As)	MG/L	ND	0,01	1	200.7
Barium (Ba)	MG/L	0.112 .	0.10	l	200.7
Beryllium(Be)	MG/L	, ND	0.01	1	200.7
Cadmium (Cd)	MG/L	ND	0.01	1	200.7
Chromium (Cr)	MG/L	0.013	0.01	1	200.7
Cobalt(Co)	MG/L	ND	0.02	1	200.7
Copper (Cu)	MG/L	0.068	0.02	1	200.7
Lead (Pb)	MG/L	0.167	0.01	1	200.7
Mercury (Hg)	MG/L	ND	0.0005	2*	245.1
Molybdenum (Mo)	MG/L	ND	0.1	1	200.7
Nickel(Ni)	MG/L	ND	0.05	1	200.7
Selenium(Se)	MG/L	ND	0.05	1	200.7
Silver(Ag)	MG/L	ND	0.02	1	200.7
Thallium(T1)	MG/L	ND	0.02	1	200.7
Vanadium(V)	MG/L	ND	0.1	1	200.7
Zinc(Zn)	MG/L	0.356	0.02	7	200.7
					

COMMENTS:

DF = DILUTION FACTOR

PQL - PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

TSS - TOTAL SUSPENDED SOLIDS

uMHOS/CM = MICRO-MHOS PER CENTIMETER

MG/L = MILLIGRAM PER LITER = PPM

* = ACTUAL DETECTION LIMIT RAISED DUE TO LIMITED SAMPLE QUANTITY

DATA REVIEWED AND APPROVED BY:

909 590 5907

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CAL WEST ENVIRONMENTAL SERVICES,

2386 FIRST STREET, LA VERNE, CA 91750

TEL (909) 593-7731 FAX (909) 593-2362

PROJECT: Insurance Auto Auction

LOCATION: 7245 Laurel Canyon Blvd., North Hollywood, CA 91605

DATE RECEIVED: 04/29/05 DATE SAMPLED: 04/28/05

DATE ANALYZED: 04/29-05/04/05 MATRIX: WATER

DATE REPORTED: 05/06/05 REPORT TO: MS. CATHY WILLIAMS

SAMPLE I.D.: Stormwater Sample site #4 LAB I.D.: 050429-40

					RPA
PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	METHOD
SPECIFIC CONDUCTANCE	umhos/CM	102	5	1	120.1
TSS	MG/L	43	1	1	160.2
OIL & GREASE	MG/L	3	1	3*	413.2
Antimony (Sb)	MG/L	N D	0.02	1	200.7
Arsenic (As)	MG/L	ND	0.01	1	200.7
Barium (Ba)	MG/L	ND	0.10	1	200.7
Beryllium(Be)	MG/L	ND	0.01	1	200.7
Cadmium (Cd)	MG/L	ND	0.01	1	200.7
Chromium (Cr)	MG/L	ND	0.01	1	200.7
Cobalt (Co)	MG/L	ND	0.02	1	200.7
Copper (Cu)	MG/L	0.044	0.02	l	200.7
Lead (Pb)	MG/L	0.038	0.01	1	200.7
Mercury (Hg)	MG/L	ND	0.0005	2*	245.1
Molybdenum (Mo)	MG/L	ND	0.1	1	200.7
Nickel (Ni)	MG/L	ND	0.05	1	200.7
Selenium(Se)	MG/L	ND	0.05	1	200.7
Silver (Ag)	MG/L	ND	0.02	1	200.7
Thallium(T1)	MG/L	ND	0.02	1	200.7
Vanadium (V)	MG/L	ND	.0.1	1	200.7
Zinc(Zn)	MG/L	0.180	0.02	1	200.7

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

TSS = TOTAL SUSPENDED SOLIDS

umhos/cm = micro-mhos per centimeter

MG/L - MILLIGRAM PER LITER - PPM

* = ACTUAL DETECTION LIMIT RAISED DUE TO LIMITED SAMPLE QUANTITY

DATA REVIEWED AND APPROVED BY:



American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Storm Water Limits U.S. EPA Multi-Sector Permit Parameter Benchmark Values

Parameter		3enchmark V	~
BOD (5 days)	Test Method	Holding Time	Benchmark Value
COD (5 days)	405.1	48 Hours	30 mg/L
	410.4	28 Days	120 mg/L
Total Suspended Solids	160.2	7 Days	100 mg/L
Oil & Grease (dispersed)	1664	28 Days	15 mg/L
Nitrate + Nitrite Nitrogen	300.0	28 Days	0.68 mg/L
Total Phosphorus	365.2	28 Days	2.0 mg/L
pH	150.1	Same Day	6.0-9.0 s.u.
Acrylonitrile	624	14 Days	7.55 mg/L
Aluminum, Total	200.7	6 Months	0.75 mg/L
Ammonia	350.3	28 Days	19 mg/L
Antimony, Total	200.7	6 Months	0.636 mg/L
Arsenic, Total	200.7	6 Months	0.169 mg/L
Benzene	624	14 Days	0.01 mg/L
Beryllium, Total	200.7	6 Months	0.13 mg/L
Butylbenzyl Phthalate	625	*	3 mg/L
Cadmium, Total	200.7	6 Months	0.0159 mg/L
Chloride	325.3	28 Days	860 mg/L
Copper, Total	200.7	6 Months	0.0636 mg/L
Dimethyl phthalate	625	*	1.0 mg/L
Ethylbenzene	624	14 Days	3.1 mg/L
Fluoranthene	625	*	0.042 mg/L
Fluoride	300.0	28 Days	1.8 mg/L
Iron, Total	200.7	6 Months	1.0 mg/L
Lead, Total	200.7	6 Months	0.0816 mg/L
Manganese, Total	200.7	6 Months	1.0 mg/L
Mercury, Total	245.2	28 Days	0.0024 mg/L
Nickel, Total	200.7	6 Months	1.417 mg/L
PCB-1016	608	*	0.000127 mg/L
PCB-1221	608	*	0.10 mg/L
PCB-1232	608	*	0.000318 mg/L
PCB-1242	608	*	0.000318 mg/L 0.00020 mg/L
PCB-1248	608	*	0.00020 Hig/L 0.002544 mg/L
PCB-1254	608	*	0.10 mg/L
PCB- 1260	608	*	0.000477 mg/L
Phenols, Total	420.2	28 Days	1.0 mg/L
yrene	625	*	0.01 mg/L
Selenium, Total	200.7	6 Months	
ilver, Total	200.7	6 Months	0.239 mg/L
oluene	624	14 Days	0.0318 mg/L 10.0 mg/L
richloroethylene	624	14 Days	
linc, Total	200.7	6 Months	0.0027 mg/L 0.117 mg/L

^{* 7} to Days Extraction, 40 to Days Analysis of the extract.

Regional Water Boards may adopt Parameter Benchmark Values that are different than those listed in this table.

1 10111.	Patricia Garcia	
To:	Jeff Mack; Wendy Phillips	
Date:	11/4/03 10:54AM	
Caller:	Farideh Kia	
Company:	GC Environmental	
Phone:	(714) 632-9969	
	[] Telephoned [] Will call again [] Wants to see you [] Urgent	[*] Please call [] Returned your call [] Came to see you

Jeff:

Ms. Kia was calling on that status of the NOT for Calmat (Vulcan). I didn't tell her that you denied the NOT. She says that Calmat is not her client but that her client leases the property from Calmat and that she believes that her client may need to be permitted as well as others who lease from Calmat.

I told her you would call her back. Calmat's WDID # is 4 19 I 002767 and I still have the file at my desk.

State of California State Water Resources Control Board

1. M 04/03

NOTICE OF TERMINATION

Submission of this Notice of Termination constitutes notification that the facility operator identified below is no longer required to comply with the **Industrial Activities** Storm Water General Permit No. 97-03-DWQ.

WDID NO. 419S002767 II. FACILITY OPERATOR NAME CALMAT COMPANY, INC. dba vulcan materials company, Inc. contact person: bill woyshner ADDRESS 3200 SAN FERNANDO ROAD TITLE: LEAD ENVIRONMENTAL SPECIALIST CITY LOS ANGELES STATE CA ZIP 90065 PHONE: (323) 474-3251 III. FACILITY SITE INFORMATION FACILITY NAME HEWITT LANDFILL (CLOSED) CONTACT PERSON: BILL BENNETT LOCATION 7361 LAUREL CANYON BLVD. TITLE: SUPERVISOR LANDFILLS CITY LOS ANGELES STATE CA ZIP 91605 PHONE: (626) 856-6184 SIC CODE(S) 4 / 9 / 5 / 3 , / / / TYPE OF BUSINESS: CLOSED LANDFILL/REFUSE SYSTEMS **V.** BASIS OF TERMINATION X_ 1. Closed Facility. The facility is closed and all closure, moving, and clean-up activities are complete. NOTE: PLEASE REFER TO ATTACHMENT 1. Date of closure _11/_12_/_1975___ Are you moving to a new location in CA? ____ Yes ____ X _ No If Yes, start date at new location? / / Will you file new NOI? _____Yes _____No NEW FACILITY INFORMATION NAME CONTACT PERSON MAILING ADDRESS CITY STATE ZIP PHONE 2. Light Industry Exemption. Exposure of industrial activities, materials, and equipment to storm water has been eliminated (Applies only to certain facilities - see instructions). Complete and submit Attachment A. Date of evaluation: __/ _/ Date exposure eliminated (if applicable): __/ _/ Planned date of next evaluation: __/__/ 3. No Storm Water Discharge. Storm water associated with industrial activity does not discharge to waters of the United States because: the storm water is retained on site (such as in evaporation or percolation ponds). the storm water is discharged to a municipal sanitary sewer systems or municipal combined sewer system. __ b.

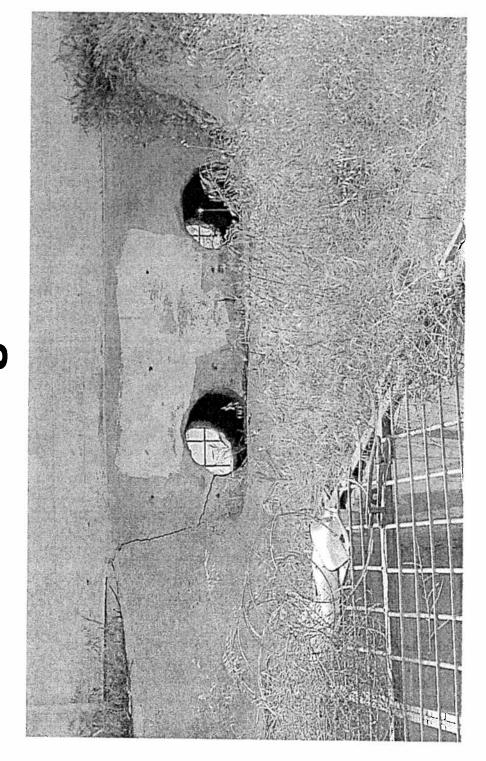
the storm water is retained offsite (such as in evaporation or percolation ponds).

c.

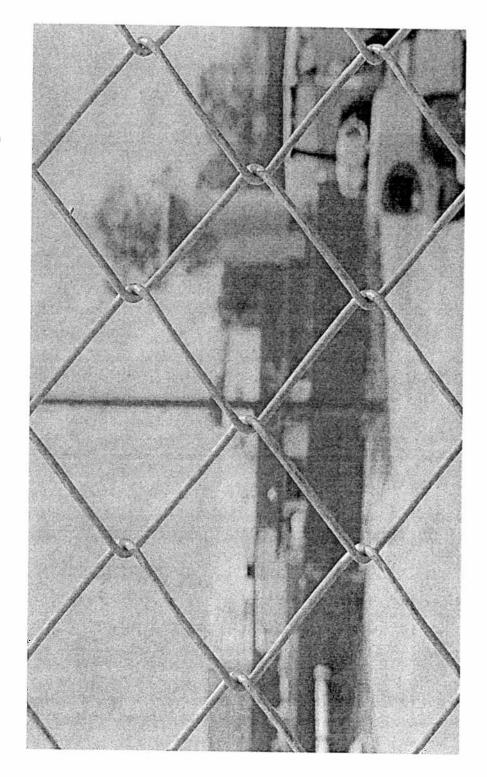
4	 Not Required to be Perfectivities storm water N 	ermitted. The facility is not NPDES permit.	t required b	by federal regulations to be regulated by an industrial
5	5. Regulated by Another another general or indiv	Permit. Discharge of stor. vidual NPDES permit.	m water ass	sociated with industrial activity is specifically regulated by
	NPDES Permit No		Da	ate coverage began//
6	. New Facility Operator	r. There is a new facility op		
	Date facility was transfe	erred to new facility operato	or//	·
	Have you notified the no	ew facility operator of the st	torm water	NPDES Permit requirements? YesNo
		RATOR INFORMATION		
	NAME		CONTACT	PERSON
	MAILING ADDRESS		TITLE	
	CITY	STATE	ZIP	PHONE
V. ADDI	ITIONAL TERMINATIO	ON INFORMATION		
Are yo	ou attaching any additiona	l termination information?	Yes	s X No
	LITY PHOTOGRAPHS			
	you attached facility photo		No	(See Instructions)
	UAL REPORT			(et mandenons)
Have y	you attached an Annual Re	eport? Yes_X	_ No	(See Instructions)
	ERTIFICATION			(See manuenons)
designed to under the Canot authorize operator is s	of and 2) this document and assure that qualified person lear Water Act to discharged by a NPDES permit, as still required to submit an	nd all attachments were prep onnel properly gather and e ge storm water associated w nd there are significant pena annual report to the Region	pared under evaluate the with industri alties for su al Water Bo	r the Industrial Activities Storm Water General Permit No. my direction and supervisions in accordance with a system information submitted. I am aware that it is unlawful all activity to waters of the United States if the discharge is abmitting false information. I understand that the facility oard by July 1. I also understand that the submittal of this any violations of the General Permit or the Clean Water
PRINTED 1	NAME BILL WOYSH	HNER TITLE RE	EGIONAL	ENVIRONMENTAL MANAGER
SIGNATUR	RE SinUn	1 REAL	DATE	10,8,2003
REGIONA	L WATER BOARD US	E ONLY		
	proved and sent to State Box	JufyMack	le	Denied and returned to applicant 11 103 1 0 3
Printed 1	Name	// Signature		Date

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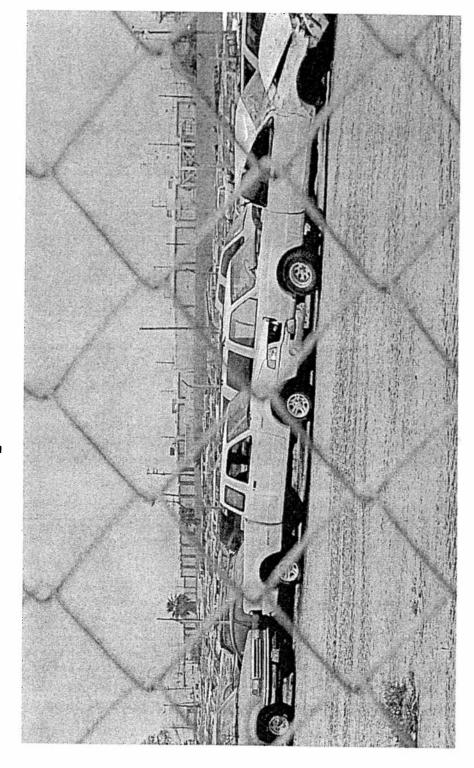
Hewitt Landfill Storm Water Discharge Point



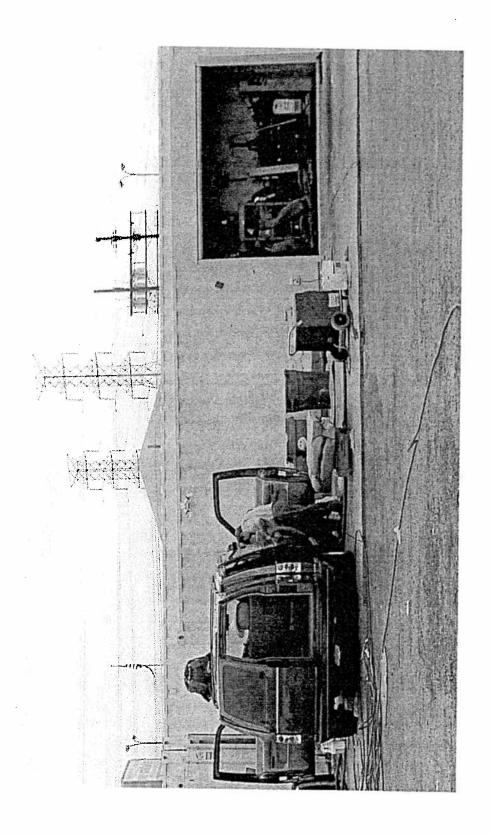
Hewitt Landfill Methane Collection and Burner



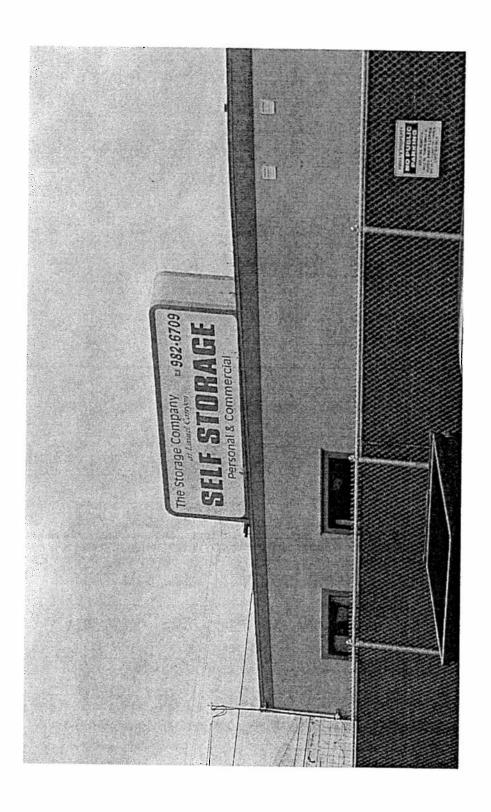
Insurance Auto Auction Operation



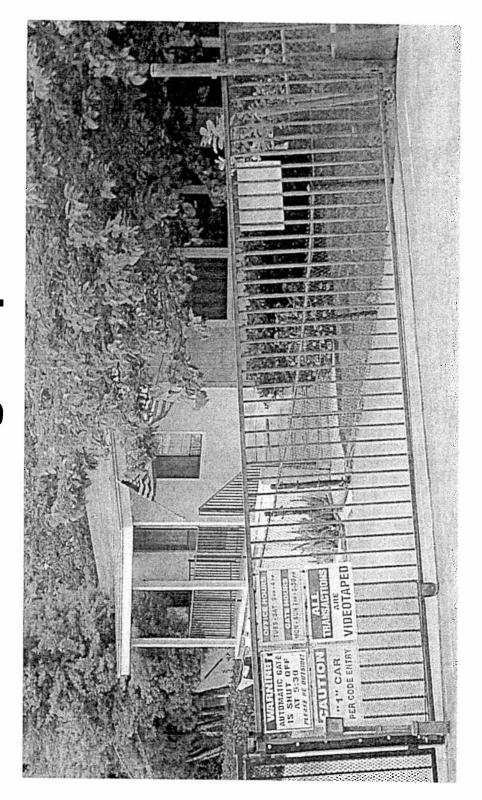
Autoland Detailing Operation



Self Storage Operation



Entrance to Hewitt Landfill Self Storage Operation



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{			

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2002-2003 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATEĎ∜ WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2002 through June 30, 2003

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov/stormwtr/ industrial.html.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 320 W. 4TH STREET, STE 200 LOS ANGELES, CA 90013

SUMAIRA NOREEN Tel: (213) 620-6363

Email: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

Facility WDID No: 419S002767

B. Facility Operator Information:

Contact Person:

DANZELLER BILL WOYSHNER

TeI: (323) 258-2777

CALMAT CO 20.
3200 SAN FERNANDO BLVD
LOS ANGELES, CA 90065

C. Facility Information:

Contact Person:

Mailing Address:

MR. GEORGE COSBY BILL WOYSHNER

Tel: (323) 258-2777

HEWITT LANDFILL (CLOSED) CALMAT CO 7361 LAUREL CANYON BLVD. 3200 SAN FERNANDO RD. LOS ANGELES, CA 91605 POOGS

SIC Code(s):

4953

Refuse Systems (CLOSED LANDFILL)

Additional Table D Parameters: Fe

(Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)

2003-2004 **ANNUAL REPORT**

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

Ε.

D.	SA	AMPLING	AND AN	IALYSIS EXEMP	TIONS AND REDUCTION	ONS		
	1.	For the accorda	reporting ance with	g period, was you n sections B.12 or	r facility exempt from co 15 of the General Peri	ollecting and mit?	l analyzi	ng samples from two storm events in
			YES	Go to Item D.2		\boxtimes	NO	Go to Section E
	2.	Indicate copy of	e the reas the first p	son your facility is page of the appro	exempt from collecting priate certification if yo	and analyz u check box	ing sam _l es ii, iii,	ples from two storm events. Attach a iv, or v.
		i	Particip	pating in an Appro	oved Group Monitoring	Plan	Grou	up Name:
		ii.	Submitt	ted No Exposure	· Certification (NEC)		Date	Submitted: / /
			Re-eval	luation Date:	1			
			Does fa	acility continue to	satisfy NEC conditions	?	YES	□ NO
		iii.	Submitt	ted Sampl in g Re	duction Certification (SRC)	Date	Submitted://
			Re-eval	luation Date:	<u>/</u>			
			Does fa	cility continue to	satisfy SRC conditions?		YES	□ NO
		iv.	Receive	ed Regional Board	d Certification		Certif	fication Date://
		v	Receive	ed Local Agency (Certification		Certif	fication Date://
	3.	If you ch	necked bo	oxes i or iii above	, were you scheduled to	o sample on	e storm	event during the reporting year?
			YES	Go to Section E			NO	Go to Section F
	4.	If you ch	ecked bo	oxes ii, iv, or v, go	to Section F.			
Ξ.	SAI	MPLING A	AND ANA	ALYSIS RESULTS	<u> </u>			
	1.	How ma	ny storm	events did you sa	ample?)	item D	.2.i or iii.	attach explanation (if you checked . above, only attach explanation if you いる RuららFF
	2.	Did you schedule	collect sto ed facility	orm water sample operating hours?	es from the first storm o	f the wet sea	ason tha	at produced a discharge during
		\boxtimes	YES				NO	attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)
	3.	How mar	ny storm	water discharge I	ocations are at your fac	cility?		

2003-2004

ANNUAL REPORT

4.		mple from each of the facility's' storm water discharge locations?	X	YES,	go to l	tem E.6	□ NO	
5.		as sample collection or analysis reduced in accordance h Section B.7.d of the General Permit? $$ $$ $$ $$ $$ $$ $$ $$ $$ $$		YES		NO, atta	ach explanatio	1
		YES", attach documentation supporting your determination at two or more drainage areas are substantially identical.						
	Da	te facility's drainage areas were last evaluated/_/						
6.	Wε	ere <u>all</u> samples collected during the first hour of discharge?	X	YES		NO, atta	ach explanatior	}
7.		as <u>all</u> storm water sampling preceded by three (3) rking days without a storm water discharge?	\boxtimes	YES		NO, atta	ach explanatior	3
8.		ere there any discharges of storm water that had been approarily stored or contained? (such as from a pond)		YES	\boxtimes	NO, go	to Item E.10	
9.	cor	you collect and analyze samples of temporarily stored or natained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above)		YES		NO atta	ach explanatior	1
10.	Sec (TS	ction B.5. of the General Permit requires you to analyze storm wa SS), Specific Conductance (SC), Total Organic Carbon (TOC) or C present in storm water discharges in significant quantities, and a neral Permit.	Dil and	mples fo	e (O&0	Total Sus G), other i	spended Solids pollutants likely t	
	a.	Does Table D contain any additional parameters						
		related to your facility's SIC code(s)?	\boxtimes	YES		NO, Go	to Item E.11	
	b.	Did you analyze all storm water samples for the						
		applicable parameters listed in Table D?	\times	YES		NO		
	C.	If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:						
		In prior sampling years, the parameter(s) have not bee consecutive sampling events. Attach explanation	en det	ected ir	signi	ficant qua	intities from two	
		The parameter(s) is not likely to be present in storm w discharges in significant quantities based upon the factorial storm.	ater d	ischarg perator'	es and s eval	d authoriz uation. A	ed non-storm wa at tach expla nati	ite on
		Other. Attach explanation						
11.	For ana	each storm event sampled, attach a copy of the laboratory analy llysis results using Form 1 or its equivalent. The following must b	tical re e prov	eports a vided fo	nd rep r each	ort the sa sample o	ampling and collected:	
	•	Date and time of sample collection Name and title of sampler Parameters tested Name of analytical testing laboratory Discharge location identification	Te Te Da	sting re st meth st detec ite of te pies of	ods us ction li sting	mits	analytical results	

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F. QUARTERLY VISUAL OBSERVATIONS

2.

1.	Se	thorized Non-Storm Water Discharges ction B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water charges and their sources.
	a.	Do authorized non-storm water discharges occur at your facility?
		YES NO Go to Item F.2
	b.	Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers . Indicate "N/A" for quarters without any authorized non-storm water discharges.
		July-September YES NO N/A October-December YES NO N/A
		January-March YES NO N/A April-June YES NO N/A
	C.	Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information:
		 i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.
2.	Sed	authorized Non-Storm Water Discharges ction B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the sence of unauthorized non-storm water discharges and their sources.
	a.	Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers.
		July-September X YES NO October-December X YES NO
		January-March X YES NO April-June X YES NO
	b.	Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?
		YES NO Go to Item F.2.d
	c.	Have each of the unauthorized non-storm water discharges been eliminated or permitted?
		YES NO Attach explanation
	d.	Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information:
		 i. name of each unauthorized non-storm water discharge ii. date and time of observation iii. source and location of each unauthorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

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G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

October	YES	NO NO	February	YES	NO
November		STORM EVELT >DURIDG	March		NO ELIGIBLE STORM
December		○ PERATING	April		DURING
January		X HOORS	May		M- HOURS

- 2. Report monthly wet season visual observations using Form 4 or provide the following information:
 - a. date, time, and location of observation
 - b. name and title of observer
 - characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed
 - any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall

50	e revised and implemented, as necessary, within 90 days of the evaluation. The checeps necessary to complete a ACSCE. Indicate whether you have performed each steplanation for any "NO" answers.	cklist below inclues below. Attac	udes the minimun
1.	Have you inspected all potential pollutant sources and industrial activities areas? The following areas should be inspected:	X YES	☐ NO

- areas where spills and leaks have occurred during the last year
- outdoor wash and rinse areas
- process/manufacturing areas
- loading, unloading, and transfer areas
- waste storage/disposal areas
- dust/particulate generating areas
- erosion areas

- building repair, remodeling, and construction
- material storage areas
- vehicle/equipment storage areas
- truck parking and access areas
- rooftop equipment areas
- vehicle fueling/maintenance areas
- non-storm water discharge generating areas
- 2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? X YES NO 3. Have you inspected the entire facility to verify that the SWPPP's site map is up-to-date? The following site map items should be verified:
 - facility boundaries
 - outline of all storm water drainage areas
 - areas impacted by run-on
 - storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

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4.	Have you reviewed all General Permit compliance records since the last annual evaluation?	genera	ited	X YES	□ NO
	The following records should be reviewed:				
	 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	•	quarterly unauth visual observation Sampling and A preventative ma maintenance rec	ons nalysis records intenance inspe	
5.	Have you reviewed the major elements of the SWPPP to a compliance with the General Permit?	ssure		X YES	□ NO
	The following SWPPP items should be reviewed:			•	
	 pollution prevention team list of significant materials description of potential pollutant sources 	•	assessment of p identification and implemented for	d description of	the BMPs to be
6.	Have you reviewed your SWPPP to assure that a) the BMF in reducing or preventing pollutants in storm water dischargenon-storm water discharges, and b) the BMPs are being im The following BMP categories should be reviewed:	ges and	authorized	∑ YES	□ NO
	 good housekeeping practices spill response employee training erosion control quality assurance 	•	preventative mai material handling waste handling/s structural BMPs	g and storage p	ractices
7.	Has all material handling equipment and equipment needed implement the SWPPP been inspected?	d to		X YES	□ NO
<u>AC</u>	SCE EVALUATION REPORT				
The	e facility operator is required to provide an evaluation report t	hat incl	udes:		
•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions	•	schedule for impl any incidents of r corrective actions	non-compliance	
Use	Form 5 to report the results of your evaluation or develop a	n equiv	alent form.		
<u>AC</u>	SCE CERTIFICATION				
The con	facility operator is required to certify compliance with the Industrial facility operator is required to certify compliance, both the SWPPP and Monitoring Program must be	dustrial up to da	Activities Storm Wate and be fully im	/ater General P	ermit. To certify
	sed upon your ACSCE, do you certify compliance with the Inc	lustrial			-
Acti	vities Storm Water General Permit?			X YES	NO
If yo Indi	ou answered "NO" attach an explanation to the ACSCE Evanstrial Activities Storm Water General Permit.	luation	Report why you a	re not in compli	ance with the

١.

J.

2003-2004 ANNUAL REPORT

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

1.	Have you attached Forms 1,2,3,4, and 5 or their equivalent?	X YES (Ma	ndatory)	
2.	If you conducted sampling and analysis, have you attached the laboratory analytical reports?	X YES	□ NO	□ NA
3.	If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	YES	□ NO	NA NA
4.	Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	X YES	□ NO	□ NA
AN	NUAL REPORT CERTIFICATION			
wer pers who sub sign	In duly authorized to sign reports required by the INDUSTRIAL ACRMIT (see Standard Provision C.9) and I certify under penalty of late prepared under my direction or supervision in accordance with a sonnel properly gather and evaluate the information submitted. Be manage the system, or those person directly responsible for gath mitted is, to the best of my knowledge and belief, true, accurate a difficant penalties for submitting false information, including the postations.	aw that this doo a system desig ased on my inconering the infor	cument and all at ned to ensure the quiry of the perso mation, the infort	tachments at qualified on or persons mation
Prin	ted Name: BILL BENNETT			
Sigr	nature: Rul 18		Date: <u> ケー</u> _こ っ	1-04
Title	LAND FILL MANAGER			700

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FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
 - Observe each authorized NSWD source, impacted drainage area, and discharge location.
- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit. Make additional copies of this form as necessary.

QUARTER:	Observers Name: Stevic MSArdle	YES	
DATE:	Title: SeoLog;St		If YES, complete reverse side of this form.
9 1241 03	Signature: Albe 4 WVV		
QUARTER:	Observers Name: Stew McArdle		
OCTDEC.	THIS: (50 1) AB. 154	WERE ANY AUTHORIZED NSWDs	If YES, complete
DATE:		STER?	reverse side of this form.
12 129/03	Signature: Leur 'Wy' //U		
QUARTER:	Observers Name: Stave Me Andle.		
JANMARCH	Time.	WERE ANY AUTHORIZED NSWDs	If YES, complete
DATE:	9)	RTER?	reverse side of this form.
3 130104	Signature: Xthu "U= UM		
QUARTER:	Observers Name: Stelle 11/5 And 1c		
APRIL-JUNE	42.80 (APA)	WERE ANY AUTHORIZED NSWDs	If YES, complete
DATE:		RTER?	reverse side of this form.
5 126104	Signature: The Wind		

FORM 3-QUARTERLY VISUAL COERVATIONS OF UNAUTHORIZED NON-STORM WATE, JISCHARGES (NSWDS)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
 - Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
 - Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed. with Section A. 10.e of the General Permit.
 - Make additional copies of this form as necessary.

QUARTER: JULY-SEPT.	Observers Name: Stollo MSA (10)	WEDELINALITY		If YES to
DATE/TIME OF		NSWDS OBSERVED?	TYES VO	either question,
9 /24/03 3:47 D PM	Titie: (780 DB 15) Signature: \text{Cux} \lambda 2 \text{M}	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES THO	complete reverse side.
DATE/TIME OF	Observers Name: Stewe Mc Ardle	WERE UNAUTHORIZED NSWDs OBSERVED?	TYES THO	If YES to either question,
12/29/03 3:30 TAPM	Title: Signature: Stur Mr Mr	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDS?	□YES \\ \text{\ZNO}	complete reverse side.
QUARTER: JANMARCH DATE/TIME OF	Observers Name: Staus ME Ardle	WERE UNAUTHORIZED NSWDs OBSERVED?	□ YES ☑NO	if YES to either question,
Sizory 4:00 To PM	Signature: Title M. M.	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES THO	complete reverse side.
QUARTER: APRIL-JUNE	Observers Name: Stelve Mc Andle	WERE UNAUTHORIZED	OWER TOWN	If YES to either
OBSERVATIONS SIZE OF S:30 PM	Title: Signature: Sector 124	NSWDS OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	VES CAO	question, complete reverse side.

OBSERVATIONS OF SCHARGES FORM 4-MONTHLY VIS STORM WATE.

- Visual observations must be conducted during the first hour of discharge
- at all discharge locations.

 Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary. Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge. Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.

		P77	C#	۲#	7#
		mee #	7#	}	
Observation Date: October 2003	Drainage Location Description	None			
Observers Name: Stell Wathe	Observation Time	 P.M.	 P. M. A.	: D.M.	:.
Title.	Time Discharde Began	: D.M.	 D.M. A.M.	: D.M.	: A.M.
Signature: Thur W?	Were Pollutants Observed (if yes, complete reverse side)	YES NO	YES NO	YES 🗌 NO 🗍	YES 🗌 NO 🗌
2		#1	#2	#3	#4
Observation Date: November 2 2003	Drainage Location Description	None			
Observers Name: Stewe MS Arule	Observation Time	3:30 TAM.	: P.M. A.M.	: □ □ A.M.	 M.A.
Title: (Sculp 1/5)	Time Discharge Began	.: P.M.	: D.M.	:	 P.M. A.M.
Signature: \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Were Pollutants Observed (if yes, complete reverse side)	YES NO	YES ☐ NO ☐	YES 🗌 NO 🗌	YES NO
		#1	#2	#3	##
Observation Date: December > 2003	Drainage Location Description	None			
Observers Name: STRILE WE HYDK	Observation Time	 P.W.	: D. P.M.	: D D A.M.	.: A.M.
Title (Section St	Time Discharae Regan	 DDC	: P.M.	: D	 A.M.
Signature:	Were Poliutants Observed (If yes, complete reverse side)	YES NO	YES ☐ NO ☐	YES NO	YES NO
		1#1	#2	#3	#4
Observation Date: January 2 2004	Drainage Location Description	None			
Observers Name: Stall Wathout	Observation Time		: 	: B.M.	
Title (Scoles) St	Time Discharge Began	1	; D P.M.	: DD P.M.	: P.M.
Signature: X 2 WV	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO

STORM WATER PSCHARGES

Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.

Visual observations must be conducted during the first hour of discharge at all discharge locations.

Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

h....ate "None" in the first column of this form if you did not conduct a monthly visual. ...vation. Make additional copies of this form as necessary.

Until a monthly visual observation is made, record any eligible storm events that do not result in a storn water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Opening Date: Hohning		# -	#2	#3	#
"1	Drainage Location Description	0F 001			
Observers Name: STALL (1) - HIV IC	Observation Time	G:CO ☐ A.M.	: D.M.	.: D P.M. A.M.	
1 1	Time Discharge Began	لالال	 P.M. A.M.	 P. P. P. W.	
Signature: X CMS 11 (1) V V	Were Poliutants Observed (if yes, complete reverse side)	YES [] NO []	YES NO	YES NO	YES NO
Observation Date: March 3 2004	-	#1	#2	#3	#4
T see	Drainage Location Description	Nove			
relus.	Observation Time	:	:	: D P.M.	.:
Title:	Time Discharge Began	:	P.M.	: P.M.	P P A
Signature: William William	Were Pollutants Observed (if yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO
Observation Date: April 5/2 2004		1#	#2	2#	#
	Drainage Location Description	Nobes			
7	Observation Time	: D P.M.	: . □ □ . M. A. M.	: P.M.	: D D A.A
Title: (3 CO LOG 5-1	Time Discharge Began	 P.M.	: 	: P.M. A.M.	.:
Signature:	Were Pollutants Observed (if yes, complete reverse side)	YES NO	YES NO	YES 🗌 NO 🗆	YES NO
Observation Date: May 26, 2004		#1	#2	8#	#4
JOHN STATE	Urainage Location Description	0 7 1			
rvers Name: CLOS IV LAND	Observation Time	.: A.M.	 A. P. W.	 A.M.	 DD
Title:	Time Discharge Began	 □ □ A.M.	: P.M. A.M.	 DD	: D D :N
Signature: XLL22 / U / U	Were Pollutants Observed (if yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DESCRIBE ANY REVISED OR NEI BMPs AND THEIR DATE OF	IMPLEMENTATION									
IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	EXAMPLE: Oil sheen caused by oil dripped by frucks in vehicle maintenance area									
DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS	Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	· Sometloathly Organic dobis (TW195, · Heary Sediment Load In Priss,	Storm Water discharge: Limited Lighting prohibited observation of shows							
DESCRIPTION	EXAMPLE: Discharge from material storage Area #2		5							
DATE/TIME OF OBSERVATION (From Reverse Side)		212104	900 □ AM □ PM	7 /	 AM PM	 	1 1	AM DM	/ /	AM

FORM 5-ANNUAL COMPREHENS SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

SIGNATURE: 'Y OU (Y)	Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs o, corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of Implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation	
Land 7: 10 MG 5 X	Describe deficiencies in BMPs or BMP implementation		Describe deficiencies in BMPs or BMP Implementation		Describe deficiencies in BMPs or BMP implementation		Describe deficlencies in BMPs or BMP implementation	
	If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form	
Na we	YES NO	YES	□ YES	YES NO	∨ES □ NO	YES	□ YES	YES □ NO
INSPECTOR NAME: 12/11 12CMM EU	HAVE ANY BMPS NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPS NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPS NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?
EVALUATION DATE: ジョルム・ルンフ INS	SOURCE/INDUSTRIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	

CHEMICAL ANALYSES OF STORM WATER RUNOFF SAMPLE TAKEN 2-03-04

CONTOUR PROCESS WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A SECURITY WAS A



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Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065-

Telephone: (602)258-8818 Attention: Dan Zeller

Number of Pages 15 Date Received 02/03/2004 Date Reported 02/17/2004

Job Number	Order Date	Client	i
27595	02/03/2004	VULCAN	

Project ID: ROUND #1, 2003-2004

Project Name: Storm Water Monitoring

Site:

The Storage Company

7361 Laural Canyon Blvd. North Hollywood, CA 91605

Enclosed please find results of analyses of 1 storm water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Approved By: C. Keymana

Cyrus Razmara, Ph.D. Laboratory Director



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CHAIN OF CUSTODY RECORD

Nº 30649

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SITE NAME AND ADDRESS		c Storag		- 1	7361	Limit	Caryon B	र मेरा-	755, COV	(CP)	4 (Thec. sx	'	F Z				Glerin A. Brown
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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065Site

The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

2

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QC Batch No: 021004

Our Lab I.D.		A A also also also page 1 , also a page 1	Method Blank	27595.01	
Client Sample I.D.				OF-001	······
Date Sampled			1	02/02/2004	
Date Prepared			02/10/2004	02/02/2004	
Preparation Method			5035A	5035A	
Date Analyzed			02/10/2004	02/10/2004	
Matrix			Aqueous	Aqueous	
Units			mg/L	mg/L	
Dilution Factor			1	1	
Analytes	MDL	PQL	Results	Results	
TPH as Gasoline and Light HC. (C4-C12)	0.005	0.010	ND	ND	

Our Lab I.D.	-		27595.01	
Surrogates	%Rec.Limit	% Rec.	% Rec.	
Bromofluorobenzene	75-125	105	105	:



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Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 020604

Our Lab I.D.			Method Blank	27595.01	
Client Sample I.D.				OF-001	
Date Sampled	***************************************			02/02/2004	
Date Prepared		i	02/06/2004	02/06/2004	
Preparation Method			3510C	3510C	
Date Analyzed			02/10/2004	02/10/2004	
Matrix			Aqueous	Aqueous	
nits			mg/L	mg/L	
Dilution Factor			1	1	
Analytes	MDL	PQL	Results	Results	
TPH as Diesel (C13-C22)	0.1	0.5	ND	1.22	
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	0.620	
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND .	1.84	

Our Lab I.D.			27595.01	T	
Surrogates	%Rec.Limit	% Rec.	% Rec.		
Chlorobenzene	75-125	104	99		



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Dan Zeller

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Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client
27595 02/03/2004 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QC Batch No: 020404

Our Lab I.D.			Method Blank	27595.01		
Client Sample I.D.				OF-001		
Date Sampled				02/02/2004		
Date Prepared			02/04/2004	02/04/2004		
Preparation Method			200.2	200.2		
Date Analyzed			02/04/2004	02/04/2004		
Matrix			Aqueous	Aqueous		
nits			mg/L	mg/L	1	
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Calcium	0.25	0.50	ND	13.0		
Lead	0.05	0.10	ND	0.067J		
Nickel	0.01	0.05	ND	0.015J		
Sodium	0.25	0.50	ND	3.33		
Zinc	0.01	0.05	ND	0,145		



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Page

Project ID: ROUND #1, 2003-2004

Droigat Mama. Storm Water Monitoring

AETL Job Number Submitted Client

Project Name: Storm	water	Monitor	ing			27595	02/	03/2004	VULCAN
Our Lab I.D.							N/A	27595.01	, , s. 187
Client Sample I.D.		***************************************					Method Blank	OF-001	
Date Sampled							02/02/2004	02/02/2004	
Matrix							Aqueous	Aqueous	
Analytes	D.F.	Method	Units	MDL	PQL	Analyzed	Results	Results	NIINEE GEE
Specific conductance	1	120.1	umhos/cm	5.0	10.0	02/04/2004	ND	169	
рН	1	150.1	pH unit	0.01	0.01	02/03/2004	NA	6.84	
Total Suspended Solids (TSS)	1	160.2	mg/L	5.0	10.0	02/04/2004	ND	323	
il and Grease	1	1664	mg/L	0.5	1.0	02/03/2004	ND	3.50	
_hloride	1	325.3	mg/L	0.5	1.0	02/09/2004	ND	7.00	
Biochemical Oxygen Demand	1	405.1	mg/L	5.0	5.0	02/09/2004	ND	19.4	
(BOD)									
Chemical Oxygen Demand	1	410.4	mg/L	5.0	10.0	02/03/2004	ND	117	



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Attn:

Dan Zeller

Page:

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Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
27595	02/03/2004	VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch No: 020404 Sample Spiked: 27595.01 QC Prepared: 02/04/2004 QC Analyzed: 02/04/2004 Units: umhos/cm

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Specific conductance	169	169	<1	<15	141.30	141.30	100	80-120	



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ANALYTICAL RESULTS

Ordered By

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Attn:

Dan Zeller

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Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

 AETL Job Number
 Submitted
 Client

 27595
 02/03/2004
 VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 020304 Sample Spiked: 27595.01 QC Prepared: 02/03/2004 QC Analyzed: 02/03/2004 Units: pH unit

:	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	1
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
pH	6.84	6.89	<1	<15	7.00	7.00	100	80-120	2 8



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Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch No: 020404 Sample Spiked: 27570.01 QC Prepared: 02/04/2004 QC Analyzed: 02/04/2004 Units: ppm

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Total Suspended Solids (TSS)	27.0	27.0	<1	<15	100.00	93.00	93	80-120	



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ANALYTICAL RESULTS

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Attn:

Dan Zeller

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Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client
27595 02/03/2004 VULCAN

Method: 1664, Oil and Grease, Gravimetric

QUALITY CONTROL REPORT

QC Batch No: 020304 Sample Spiked: 020304 QC Prepared: 02/03/2004 QC Analyzed: 02/03/2004 Units: ppm

	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% Limit	
Oil and Grease	10.00	10.60	106	10.00	10.20	102	3.8	80-120	<20	



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Site

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Attn:

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Dan Zeller

Page:

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Clier
27595	02/03/2004	VULC

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch No: 020404 Sample Spiked: 27592.10 QC Prepared: 02/04/2004 QC Analyzed: 02/04/2004 Units: ppm

	Sample	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RF
Analytes	Result	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Lim
Calcium	0.154	1.00	1.18	102	1.00	1.18	102	<1	80-120	<1
Lead	ND	1.00	1.10	110	1.00	1.02	102	7.5	80-120	<1
Nickel	ND	1.00	1,06	106	1.00	1.06	106	<1	80-120	<1
Sodium	ND	1.00	1.04	104	1.00	1.03	103	<1	80-120	<1
Zinc	0.016	1.00	1.08	106	1.00	1.07	105	<1	80-120	<1

QC Batch No: 020404 Sample Spiked: 27592.10 QC Prepared: 02/04/2004 QC Analyzed: 02/04/2004 Units: ppm

	LCS	LCS	LCS	LCS/LCSD		
Analytes	Concen	Recov	% REC	% Limit		
Calcium	1.00	1.02	102	80-120		
Lead	1.00	1.06	106	80-120		
Nickel	1.00	1.04	104	80-120		
Sodium	1.00	1.02	102	80-120		
Zinc	1.00	1.03	103	80-120	 	



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The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

AETL Job Number

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

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Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

27595 02/03/2004 VULCAN

Submitted

Client

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 020904 Sample Spiked: 27598.01 QC Prepared: 02/09/2004 QC Analyzed: 02/09/2004 Units: ppm

	Sample	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD
Analytes	Result	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit
Chloride	81.0	20.00	101.00		20.00	101.00	100	<1	80-120	<15

QC Batch No: 020904 Sample Spiked: 27598.01 QC Prepared: 02/09/2004 QC Analyzed: 02/09/2004 Units: ppm

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chloride	7.00	7.00	<1	<15	20.00	20.00	100	80-120	



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065-

The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818 Attn:

Dan Zeller

Page:

12

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 020404 Sample Spiked: 27595.01 QC Prepared: 02/04/2004 QC Analyzed: 02/09/2004

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Biochemical Oxygen Demand (BOD)	19.4	18.4	5.3	<15	200.00	186.00	93	80-120	



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065Site

The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818 Attn: Dan Zeller

Dan Zener

Page:

13

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

 AETL Job Number
 Submitted
 Client

 27595
 02/03/2004
 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch No: 020304 Sample Spiked: 27603.01 QC Prepared: 02/03/2004 QC Analyzed: 02/03/2004 Units: ppm

	Sample	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD
Analytes	Result	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit
Chemical Oxygen Demand	17.4	50.00	70.77	105	50.00	70.10	104	<1	80-120	<15

QC Batch No: 020304 Sample Spiked: 27603.01 QC Prepared: 02/03/2004 QC Analyzed: 02/03/2004 Units: ppn

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chemical Oxygen Demand	117	120	2.5	<15	50.00	53.00	106	80-120	



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ANALYTICAL RESULTS

Order	ed	Ву		
Vulcan	Mate	erials	Co.	

3200 San Fernando Road Los Angeles, CA 90065Site

The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

14

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 020604 Sample Spiked: 020604 QC Prepared: 02/06/2004 QC Analyzed: 02/10/2004 Units: ppm

	Sample	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD
Analytes	Result	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit
TPH as Diesel (C13-C22)	0.0	5.00	4.95	99	5.00	4.95	99	<1	75-125	<20

QC Batch No: 020604 Sample Spiked: 020604 QC Prepared: 02/06/2004 QC Analyzed: 02/10/2004 Units: ppm

	LCS	LCS	LCS	LCS/LCSD			p
Analytes	Concen	Recov	% REC	% Limit		_	
TPH as Diesel (C13-C22)	5.00	4.80	96	75-125			



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ANALYTICAL RESULTS

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065-

Site

The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

15

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client
27595 02/03/2004 VULCAN

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 021004 Sample Spiked: 27652.12 QC Prepared: 02/10/2004 QC Analyzed: 02/10/2004 Units: ppm

	Sample	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD
Analytes	Result	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit
TPH as Gasoline and Light HC.	ND	0.50	0.48	95	0.50	0.52	104	9.0	75-125	<20
(C4-C12)										

QC Batch No: 021004 Sample Spiked: 27652.12 QC Prepared: 02/10/2004 QC Analyzed: 02/10/2004 Units: ppm

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
TPH as Gasoline and Light HC.	0.50	0.49	98	75-125			
(C4-C12)							and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s



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Data Qualifiers and Descriptors

Data Qualifier:

*: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has

been applied.

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method

Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery

was acceptable.

S6: Surrogate recovery is outside control limits due to matrix interference.

S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the

method acceptance criteria.

X: Results represent LCS and LCSD data.

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method,

and each compound. It indicates a distinctively detectable quantity with 99% probability.

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can



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Data Qualifiers and Descriptors

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.

Recov:

Recovered concentration in the sample.

RPD:

Relative Percent Difference

HEWITT CLOSED LANDFILL

HISTORY:

The Hewitt Landfill is situated in an expended sand and gravel quarry. In the 1920's, the pit was originally opened by Consumers Rock and Gravel Company ("Consumers"). In 1929, Consumers merged with Consolidated Rock Products Company ("ConRock"). Additional mergers lead to the present ownership, CalMat Company dBA Vulcan Materials Company, Inc. ("Vulcan Materials").

The site covers approximately 57 acres as shown in the attached topographical map. The depth of the original pit was about 130 feet below grade. The landfill is bounded by the following: Saticoy Street on the North; Laurel Canyon Boulevard to the East; the Southern Pacific Railroad Company right of way to the South; and private property facing Whitsett Avenue and the Hollywood Freeway to the West. Residential property is adjacent to the disposal site on the North and commercial properties are located to the East of Laurel Canyon Boulevard.

Waste discharge requirements were issued in 1959 and the Hewitt Landfill was opened in 1962. Landfill operations were conducted by Los Angeles By-Products Company under a lease agreement with the owners at the time, "ConRock". The Class II landfill was closed on November 12, 1975.

The Hewitt Landfill Site was a daily-cover type sanitary landfill. The landfill was capped and closed. Land settlement has occurred over time and as a result, the site has over 25 feet of cover over most of the areas. In 1977, a methane collection system and flare was installed and over the years has been expanded in order to control methane gas migration. A detection monitoring system with probes has been installed at the perimeter of the landfill to detect the existence of offsite gas migration.

PRESENT:

Presently, the site is comprised of approximately 30 percent impervious (paved with asphalt) surfaces or buildings. The site land use is mixed operations utilizing the paved area for various leased tenants. The north eastern portion of the site is occupied by a Self Storage Business; the southern portion of the property is leased to Insurance Auto Auction where wrecked automobiles are sold at auctions for insurance companies (this is not a wrecking-dismantling yard operation); the center portion of the site is leased to Autoland who is in the business of automobile detailing, leasing/selling, and renting; and the northern portion is currently vacant and zoned for residential use.

Attachment I Page 2 of 2

Vulcan Materials would like to terminate the existing storm water permit (WDID No. 419S002767) since the storm water runoff from the closed landfill operation is not associated with any industrial activity. Therefore, the leased tenants will be prepared to demonstrate storm water compliance and obtain their own permits as deemed necessary.

California Re ional Water Quality C ntrol Board

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

Gray Davis Governor

Winston H. Hickox
Secretary for
Invironmental
Protection
Agency

320 W. 4th Street, Suite 200, Los Angeles, California 90013 Phone (213) 576-6600 FAX:(213) 576-6640 Internet Address: http://www.swrcb.ca.gov/rwqcb4

November 3, 2003

Mr. Bill Woyshner Calmat Company, Inc. dba Vulcan Materials Co., Inc. 3200 San Fernando Road Los Angeles, CA 90065 Certified Mail Return Receipt Requested No. **7002 2030 0006 2095 1906**

Dear Mr. Woyshner:

DENIAL OF NOTICE OF TERMINATION APPLICATION: NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY, (ORDER NO. 97-03 DWQ; NPDES NO. CAS000001), WDID # 4 19 S 002767

We received a Notice of Termination application for your industrial facility site located at the above referenced address, and identified by the above listed WDID number. Regional Board staff inspected your site on October 31, 2003 and found that the facility does not meet conditions for termination for the following reasons:

- Exposure of methane collection and processing system to storm water.
- Exposure of unpaved areas of the facility to storm water discharges.

Additionally, the Storm Water Pollution Prevention Plan (SWPPP) states that uses of the closed Class II landfill are:

- Material storage and handling areas
- Inert waste ill area
- Equipment storage

Pollutants that can potentially occur in storm water discharges are:

- Sediments and solids
- Nutrients
- Hydrocarbons and flotables

Therefore, you are still required to comply with the General Permit guidelines and submit the appropriate fees. The implementation and maintenance of a SWPPP and Monitoring Plan is required, as is the submission of an Annual Report. You may reapply for termination of coverage under the General Permit when the site has been closed, and all elements of the Storm Water Pollution Prevention Plan have been completed.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption

For a list of simple ways to reduce demand and cut your energy costs, see the tips at: http://www.swrcb.ca.gov/news/echallenge.html

If you have any questions, please contact Mr. Jeff Mack at (213) 620-2121.

Sincerely,

Wendy Phillips, Chief Storm Water Section

Attachment

cc: Mary Ann Jones, State Water Resources Control Board Carl Sjoberg, Los Angeles County Department of Public Works Mike Mullin, Los Angeles City Department of Public Works

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVE	RY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse 	A Signature	☐ Agent ☐ Addressee
so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name) C	Date of Delivery
Article Addressed to:	D. Is delivery address different from item 1 If YES, enter delivery address below:	? DYes D No
Bill Woyshner Calmad Co. dba. Vidcan		
Calmad Co. dba Vidcan	3. Service Type	
3200 Ganfernando Rd. Los Angeles, CA 90065	☐ Hegistered ☐ Heturn Receipt	t f or Merchand ise
Los Angeles, CA 90065	4. Restricted Delivery? (Extra Fee)	☐ Yes
Article Number (Transfer from service label)	030 000F 5042 740F	.Xe
PS Form 3811, August 2001 Domestic Ret	urn Receipt	102595-01-M-2509

California Environmental Protection Agency

^{***}The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption***

For a list of simple ways to reduce demand and cut your energy costs, see the tips at: http://www.swrcb.ca.gov/news/echallenge.html

Facility Name: Cal Mat Vulcan Materials Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

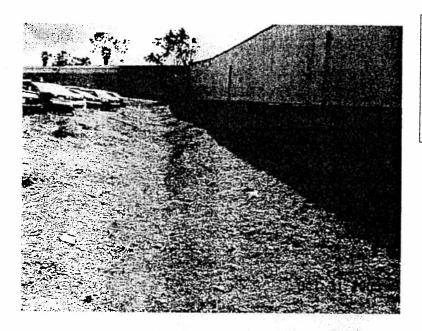


Photo 1

Description: South west side of facility is pervious, and channels discharges to the inlet shown in photograph 2.

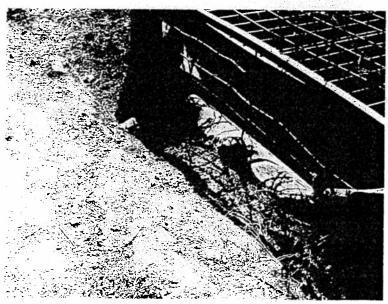


Photo 2

Description: Storm drain inlet. Tṛash, sediment and burned automobile storage are potential pollutants, as determined by this inspection.

Facility Name: Cal Mat Vulcan Materails Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

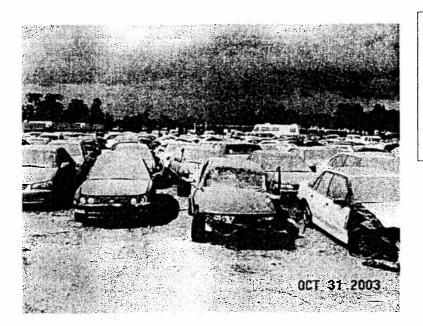


Photo 3

Description: Automobile salvage operation exists on estimated 25 acres. Numerous burned vehicles are stored on the pervious areas of the yard.



Photo 4

Description: Methane collection system, with flare stack.

Facility Name: Cal Mat Vulcan Materails Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

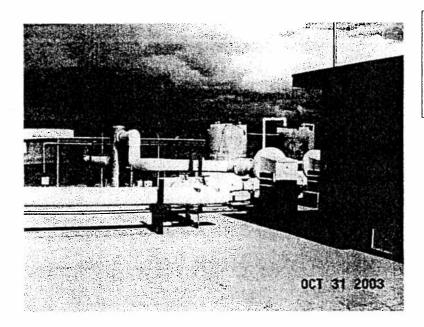


Photo 5

Description: Piping, and associated liquids storage or processing, exist with no structural BMPs in place.

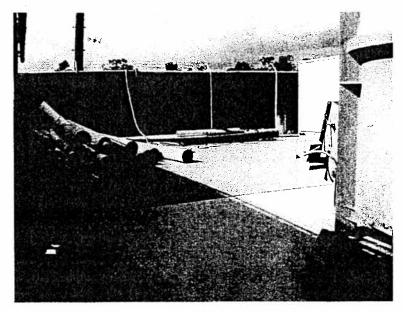


Photo 6

Description: Area within enclosure is situated on an impervious pad.



State California - Environmental Protection / ncy California Reg. and Water Quality Control Board - Los Angeles Region

Mydos

INDUSTRIAL STORM WATER INSPECTION REPORT

	1/9 5 00 2767 10/31/03 10:30 WOID NUMBER INSPECTION DATE ARRIVAL TIME	12:00	Cloudy; day
, Q	WDID NUMBER INSPECTION DATÉ ARRIVAL TIME	DEPARTURE TIME	
stone	Vulcan Matt's Condfill 7361 Laurel FACILITY NAME INSPECTION DATE ARRIVAL TIME ADDRESS	Cyn. Blvd.	(818) 982-670
	Paul Maldonado (The Storage Co.	@ Laurel Cyn.) N	ZIP PHONE NUMBER PHONE NUMBER
	4953 Lundfill clused	18 acres -1	VOI 4/02/92 NOI FILING DATE
422		s) (le implevious) NOI FILING DATE
	PURPOS	E OF INSPECTION	
	Compliance inspection (Storm Water Samples Collected ?: No _ Follow-up inspection made to verify correction of a previously identific _ Complaint inspection.		Inspection Pre-announced:YesNo
	Notice of Termination inspection - Verification of information in applic Other- Explain	cation,	Pictures Taken:Yes No
i. N		ONCLUSION	
W	Minor violation(s) noted.	Major violation(s) noted. V Col	mpliance undetermined.
	Exposure of potential pollumos mo structural BMP's	tand to Sw ex	iste
	no structural BMP's	4.8	
	mal & C. I.	- // /	
	Methane extraction and ; exist in a concrete pad,	rossible leachare	Collection systems
	exist in a concrete pad,	with no over	head coder
	V /		
		·	
	RECO		
	Issue Notice to Comply Issue Notice of Violation Oth	er. Schedule Re-inspection on:	
	Veny NOT request -	- in writing	
	,		
		1	
	JEFF Mark INSPECTOR NAME - AGIN	J Mach	11/03/03 REPORT DATE
Company of the second	Mandy Phillips Me	ATURE THE TOTAL PROPERTY OF THE PARTY OF THE	11.3.03 REVIEW DATE

Date of Inspection (0/3/10)	Date of Inspection	10/71/03
-----------------------------	--------------------	----------

WDID# 195 00 2767										
Facility Name	195 00 2767 Culmat Vulcan Matti Hewitt Landfill									
	,									
Please write down the information for Outstanding Invoices. Wure										
FY INV# BILLING DATE AMOUNT DUE										
			Ø							
COMMENTS:										

State of California - Environmental Protection Agency California Regional Water Quality Control Board - Los Angeles Region

INDUSTRIAL STORM WATER INSPECTION REPORT

INSPECTION CHECKLIST	Yes	No	N/A	COMMENTS
A. STORM WATER POLLUTION PREVENTION PLAN EVALUATION		_		
1 Develop a SWPPP and retain one copy on-site [Section A.10.a. to f.]	\ \			
2 Identify and update pollution prevention team [Section A.3.]	~			
3 Identify pollution prevention team responsibilities [Section A.3.]	•			
4 Develop and/or promptly update site map [Section A.4.]	-			
5 List significant materials handled and stoed on-site [Section A.5.]				
6 Describe potential pollutant sources [Section A.6.]	<u>ر</u>			
7 Provide summary of activities, pollutant sources, pollutants [Section A.7.]				
8 Propose site-specific BMPs [Section A.8.]		ب		non structural
9 Conduct Annual Comprehensive Site Compliance Evaluation [Section A.9.]	<u></u>			
10 Sign and certify the SWPPP [Section C.9.]				
B. Monitoring Program Evaluation	ļ			
1 Develop and implement written storm water monitoring program (Section B.1)	L			
Describe Non-storm Water Discharge Visual Observation Schedule [Section B.3.]				
3 Describe Storm Water Discharge Visual Observation Schedule [Section B.4.]				
4 Describe Sampling and Analysis Methodology [Section B.5.]	_			
5 Sample two storm events [Section B.5.a.] If not, specify the reason.				
6 Sample for additional parameters [Section B.5.c.iii.] If not, explanation given				
7 Sample ALL Storm Water Discharge Points [Section B.7.] If not, explanation given.				(1)
8 Describe Monitoring Methods [Section B.10.]	_			
9 Describe quality assurance and quality control methods [Section B.10.b.] Keep records of all storm water monitoring information and copies of all reports for at least	_			
10 five years [Section B.13.]	_			
C. Recordkeeping and Reporting				
1 Retain on-site copies of employee training records.		_		closed Facility
2 Retain on-site copies of spills and leaks report.				
3 Retain on-site copies of inspection reports.		_	<u> </u>	
4 Retain on-site copies of housekeeping logs. Are data collected from the monitoring program within USEPA benchmarks (use the	-			
5 smapling data sheet on Page 4 as necessary).	1	l	l	1

'ndustrial A	activities or Pollutant Sources, and the Corresponding	ВМЕ	Effe	ctive	ness	
	Basic BMPs	N	Р	Α	N/A	Comments
	Overhead roofs or covers.					
eas	Isolation of activities and/or materials from rain.					closed (and Fill
J.A.	Proper grading to divert runoff from source areas.					
ing	Collection and treatment of storm water (specify)					possible leachate collection
ess	Frequent inspections to identify problem areas.		V			System.
Š.	Spills and leaks prevention and control measures.		_			
a B	Inventory and labeling of raw materials and wastes.	~				
stri	Frequent sweeping.					
Industrial Processing Areas	Housekeeping (specify)		Ų			
	Overhead roofs or covers.				-	7
and and	Isolation of activities and/or materials from rain.	1	 		/	
Storage oing and	Proper grading to divert runoff from source areas.	\vdash		-	1	
and S Shippi reas	Collection and treatment of storm water (specify)		1	/		1111
g ar Shi Are	Frequent inspections to identify problem areas.	ł	1	/	 	
lling Ing ng	Spills and leaks prevention and control measures.		$\mid - \rangle$	\leftarrow	 	
~ ~ ~ ;	Inventory and labeling of raw materials and wastes.		/	1		/ '
프르의	Frequent sweeping.	-	V	1	-	
eria as,	Housekeeping (specify)	/			\	
Mate Area	Tiousekeeping (speeny)	/			1	
	Overhead roofs or covers.	1			-	
ŧ	Isolation of activities and/or materials from rain.		-		 	
me	Proper grading to divert runoff from source areas.				 	
Ø Å Ē	Collection and treatment of storm water (specify).	-	-		-	1
Б. б.	Frequent inspections to identify problem areas.		-	-		
anc enal	Spills and leaks prevention and control measures.		 	 	-	
음토문	Remove or cover obsolete vehicles or equipment.	1.		 	1	hand philos from
eh. Ma	Housekeeping (specify)	-	-	t-	†	Sulface Sal 1891
>	, recovery (in the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co			†		trash & dekris
<u>v</u>	Spill prevention plan and team.				7	
Spil	Proper containment of potential spill and leak areas.					
int 9 .eak	Use of spill control materials.		1	1		
fica id L	Prompt cleanup of spill control materials.		-	1_		
gni ar	Frequent inspections to identify spills and leaks.	.	_	1_		1. 1
<u></u>	Proper documentation of significant spills and leaks.			<u> </u>	0	anknown
	Proper grading and/or pavement.		-		_	
and late	Tracking prevention.	.	1	1_		
ist s icu iera	Planting and maintenance of vegetation.			1	<u> </u>	
Du Part Gen	Sediment control devices (specify).	1			ļ	
,	Housekeeping (specify)		1	1	<u> </u>	
orm or	Eliminate sources of non-storm water discharges.			_		
n-st Nate icha	Separate permit for non-storm water discharges.			ļ		
m-storm Soil Erosion, Dust and Dust and Significant Spills Vehicle and Water Particulates and Leaks Generating	Containt non-storm water discharges (specify).	1		İ	1/	1

BMP Effectiveness: N=Not Implemented; P=Poorly Implemented; A=Adequately Implemented; N/A=Not Applicable.

DETAILED INSPECTION FINDINGS
Facility Information: Certification of Elimination of NSW Discharge
signed Bill Bennett 5-14-03
Inspection Notes: desed Class 2 Landfill
Uses are: material storage & handling areas
ment waste Fill area
egpt. Horage
Office space { parking
Drinary mattis used on site are: petroleum products
primary mattis used on site are: petroleum products (oil, greuse 4 Free)
Pollutants thus can occur potentially in storm water discharge
are: Sediments and solids
nutrients
H/c and Flotables.

State of Countries - Environmental Protection Agency California Regional Water Quality Control Board - Los Angeles Region

INDUSTRIAL STORM WATER INSPECTION REPORT

Storm Water Sampling Data Sheet

Parameters	pН	TSS	SC	O&G	Cu	Fe	Pb	Zn
Benchmarks	6-9	100	200	15	0.064	1.000	0.082	0.065
Units	s.u.	mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L
Year								
Year	·							
Year								
Year								
Year				and agreement of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the				
Year								
Year								
Year						1		
Year								
Year								**************************************

Supplemental Notes, Comments, etc.						
,						

Facility Name: Cal Mat Vulcan Materials Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

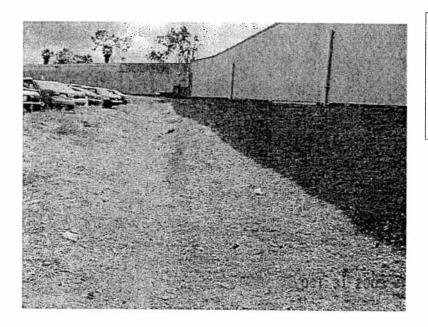


Photo 1

Description: South west side of facility is pervious, and channels discharges to the inlet shown in photograph 2.

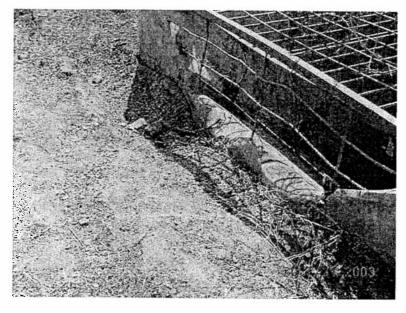


Photo 2

Description: Storm drain inlet. Trash, sediment and burned automobile storage are potential pollutants, as determined by this inspection.

Facility Name: Cal Mat Vulcan Materails Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003



Photo 3

Description: Automobile salvage operation exists on estimated 25 acres. Numerous burned vehicles are stored on the pervious areas of the yard.

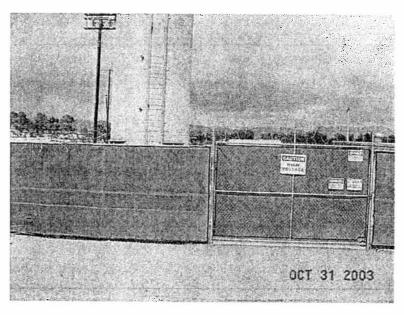


Photo 4

Description: Methane collection system, with flare stack.

Facility Name: Cal Mat Vulcan Materails Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

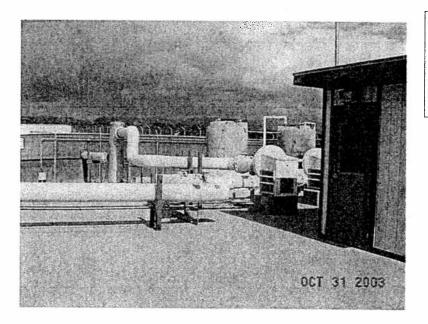


Photo 5

Description: Piping, and associated liquids storage or processing, exist with no structural BMPs in place.

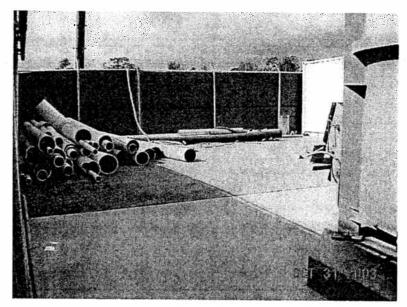


Photo 6

Description: Area within enclosure is situated on an impervious pad.

(
-		

STATE OF CALIFORNIA

L06-1N STATE WATER RESOURCES CONTROL BOARD FO

2003-2004 ANNUAL REPORT

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BY

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2003 through June 30, 2004

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as ar attachment. Retain a copy of the completed Annual Report for your records.

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers, and e-mail addresses of the Regional Board contacts, as well as the Regional Board Offices addresses are indicated below.

REGIONAL BOARD INFORMATION:

Los Angeles Region 320 W.4th Street, Ste.200 Los Angeles, CA 90013

Sumaira Noreen Tel: (213) 620-6363

Email: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Information:

Hewitt Landfill Closed 7361 Laurel Canyon Blvd North Hollywood, CA 91605

WDID No: 4 19I002767

Contact Person: Bill Woyshner Brian Anderson, R.G.

Phone: (323) 258-2777 258 - 2777

SIC Code(s):

Refuse Systems (CLOSED LANDFILL) 4953

B. Facility Operator Information:

Calmat Co.

3200 San Fernando Rd

Los Angeles, CA 90065

Contact Person: Bill Woyshner Bill Bennett

Email:

Phone: (323) 258-2777

C. Facility Billing Information:

Calmat Co.

3200 San Fernando Rd

Los Angeles, CA 90065

Contact Person: Bill Woyshner Trey Whitehead

Email:

Additional Table D Parameters: Fe

Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters



September 30, 2003

Western Division

LOS ANGELES REGIONAL WATER BOARD STORM WATER UNIT

320 W. 4th Street, Suite 200 Los Angeles, CA 90013

SUBJECT: NOTICE OF TERMINATION FOR HEWITT LANDFILL (CLOSED)

SITE:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605 (WDID NO.: 419S002767)

To Whom It May Concern:

CalMat Company, Inc. dBA Vulcan Materials Company, Inc. is submitting the Notice of Termination (NOT) to cancel the existing storm water permit (WDID No. 419S002767) at our "closed" landfill facility located at the above address.

Since the storm water runoff from the "closed" landfill operation is not associated with any industrial activity from our operations, we would like to cancel the existing storm water permit. The Hewitt Landfill was capped and closed on November 12, 1975. Over 30% of the landfill site has been paved. A methane collection system and flare was installed and over the years has been expanded in order to control methane gas migration. A detection monitoring system with probes has been installed at the perimeter of the landfill to detect the existence of offsite gas migration.

Enclosed is the application for Notice of Termination, A Summary of Site History and Current Conditions, Photographs, and 2002/2003 Annual Report of Storm Water Discharges.

Should you have any questions or require any additional information, please do not hesitate to call me at (323) 474-3251.

Sincerely,

Bill Woyshner, REA

Regional Environmental Manager

Vulcan Materials Company, Western Division

2092-2003

ANNUAL REPORT

SPECIFIC INFORMATION

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

MONITORING AND REPORTING PROGRAM

E.

1.	For the accorda	reporting period, was your facility exempt from collecture with sections B.12 or 15 of the General Permit?	cting and an	ıalyzin	g samples from two storm events in
	Y	Go to Item D.2	\boxtimes	NO	Go to Section E
2.	Indicate copy of	the reason your facility is exempt from collecting an the first page of the appropriate certification if you ch	d analyzing eck boxes i	samp i, iii, iv	eles from two storm events. Attach a , or v.
	i	Participating in an Approved Group Monitoring Pla	n	Gro	up Name :
	ii.	Submitted No Exposure Certification (NEC)		Date	Submitted:
		Re-evaluation Date:			
		Does facility continue to satisfy NEC conditions?		YES	NO NO
	iii.	Submitted Sampling Reduction Certification (S	RC)	Date	Submitted:
		Re-evaluation Date:			
		Does facility continue to satisfy SRC conditions?		YES	NO NO
	iv	Received Regional Board Certification	Certifica	tion D	ate:
	V	Received Local Agency Certification		Cetifi	cation Date:
3.	If you che	ecked boxes i or iii above, were you scheduled to sar	mple one st	torm e	vent during the reporting year?
	YE	ES Go to Section E		NO	Go to Section F
4.	If you che	ecked boxes ii, ív, or v, go to Section F.			
SAN	1PLING AN	D ANALYSIS RESULTS			
1.	How man	ny storm events did you sample? 2	If less that item D.2. answer "	i or iii.	attach explanation (if you checked above, only attach explanation if you
2.	Did you c scheduled	collect storm water samples from the first storm of the discility operating hours? (Section B.5 of the General	e wet seaso al Permit)	on that	produced a discharge during
	\boxtimes	YES		NO,	attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)
3.	How man	y storm water discharge locations are at your facility	2		

4.	Fo sa	r each storm event sampled, did you collect and analyze a mple from each of the facilitys' storm water discharge locations?	X YES, go	to Item E.6	☐ NO
5.	Wa wit	as sample collection or analysis reduced in accordance h Section B.7.d of the General Permit?	YES	NO, att	ach explanation
	If " tha	YES", attach documentation supporting your determination at two or more drainage areas are substantially identical.			
	Da	te facility's drainage areas were last evaluated			
6.	We	ere all samples collected during the first hour of discharge?	X YES	NO, att	ach explanation
7.	Wa wo	as <u>all</u> storm water sampling preceded by three (3) rking days without a storm water discharge?	X YES	NO, atta	ach explanation
8.	We ten	ere there any discharges of stormwater that had been inporarily stored or contained? (such as from a pond)	YES	NO, go	to Item E.10
9.	cont	you collect and analyze samples of temporarily stored or ained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above)	YES	NO, atta	ach explanation
10.	Spe	tion B.5. of the General Permit requires you to analyze storm wate cific Conductance (SC), Total Organic Carbon (TOC) or Oil and G orm water discharges in significant quantities, and analytical para	Grease (O&G) lo	other nollutants lik	ely to be present
	a.	Does Table D contain any additional parameters related to your facility's SIC code(s)?	X YES	NO, Go	to Item E.11
	b.	Did you analyze all storm water samples for the applicable parameters listed in Table D?	X YES	□ NO	
	C.	If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:			
		In prior sampling years, the parameter(s) have not bee consecutive sampling events. Attach explanation	en detected in si	ignificant quantitie	es from two
		The parameter(s) is not likely to be present in storm w discharges in significant quantities based upon the factorise.	ater discharges illity operator's e	and authorized nevaluation. Attacl	on-storm water h explanation
		Other. Attach explanation			
11.	For e	each storm event sampled, attach a copy of the laboratory analytic ts using Form 1 or its equivalent. The following must be provided	cal reports and i d for each samp	report the samplir le collected:	ng and analysis
	•	Name and title of sampler. Parameters tested. Name of analytical testing laboratory. Tes Dat	sting results. It methods used It detection limit It of testing. It is is the labor		esults.

F. QUARTERLY VISUAL OBSERVATIONS

1. Authorized Non-Storm Water Discharges

	Sec disc	ection B.3.b of the General Permit requires quarterly visual scharges and their sources.	observations of all a	authorized nor	n-storm water	r
	a.	Do authorized non-storm water discharges occur at you	r facility?			
		YES NO Go to Iter	m F.2			
	b.	Indicate whether you visually observed all authorized no during the quarters when they were discharged. Attach "N/A" for quarters without any authorized non-storm wat	an explanation for	narges and the	eir sources nswers. Ind	icate
		July -September YES NO N/A	October-December	YES	□ NO □	N/A
		January-March YES NO N/A	April-June	YES	□ NO □	N/A
	C.	Use Form 2 to report quarterly visual observations of auprovide the following information.	ıthorized non-storm	water dischar	ges or	
		 i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm w iv. characteristics of the discharge at its source and im v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or predischarges. Provide new or revised BMP implement 	vater discharge pacted drainage are	_		·r
2.	Sect	authorized Non-Storm Water Discharges ction B.3.a of the General Permit requires quarterly visual of sence of unauthorized non-storm water discharges and the	observations of all di Bir sources.	rainage areas	to detect the	;
	a.	Indicate whether you visually observed all drainage area storm water discharges and their sources. Attach an expensive storm water discharges and their sources.	s to detect the prese planation for any	ence of unautl "NO" answer	norized non-	
		July -September X YES NO	October-December	∑ YES	☐ NO	
		January-March X YES NO	April-June	X YES	☐ NO	
	b.	Based upon the quarterly visual observations, were any	unauthorized non-st	orm water dis	charges dete	cted
		YES X	NO Go to item F.2	2.d		
	C.	Have each of the unauthorized non-storm water dischar	ges been eliminated	d or permitted	?	
		YES	NO Attach explan	ıation		
	d.	Use Form 3 to report quarterly unauthorized non-storm following information.	water discharge vis	ual observation	ons or provide	e the
		 i. name of each unauthorized non-storm water disch date and time of observation. iii. source and location of each unauthorized non-stor characteristics of the discharge at its source and ir name, title, and signature of observer. vi. any corrective actions necessary to eliminate the sdischarge and to clean impacted drainage areas. discharge(s) was eliminated or scheduled to be eliminated. 	rm water discharge. mpacted drainage a source of each unau Provide date unauth	rea/discharge uthorized non-	storm water	

2002-2003 ANNUAL REPORT

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

October	YES	ELICIBLE NO	February	YES	NO ELIGIBLE
November	\boxtimes	Storm	March		EVENT BURINC
December	\bowtie	DURING	April		M- OPERATING
January		D CPERATING	Мау		

- 2. Report monthly wet season visual observations using Form 4 or provide the following information:
 - a. date, time, and location of observation
 - b. name and title of observer

areas impacted by run-on

storm water discharges locations

- c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed
- any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and m n shall nimum

S	e revised and implemented, as necessary, within 90 days of the evaluation. The chapter teps necessary to complete a ACSCE. Indicate whether you have performed each xplanation for any "NO" answers.	necklist below inc	ludes the minir
1.	Have you inspected all potential pollutant sources and industrial activities areas? The following areas should be inspected:	X YES	□ NO
	 outdoor wash and rinse areas process/manufacturing areas loading, unloading, and transfer areas waste storage/disposal areas material stora vehicle/equiping truck parking rooftop equiping vehicle fueling 	ment storage are and access areas	as s eas
2.	Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas?	X YES	□ NO
3.	Have you inspected the entire facility to verify that the SWPPP's site map is up-to-date? The following site map items should be verified:	X YES	☐ NO
	 facility boundaries outline of all storm water drainage areas storm water collection structural control mea 		

structural control measures such as catch basins, berms.

containment areas, oil/water separators, etc.

4.	Have you reviewed all General Permit compliance reconsince the last annual evaluation?	ords generated	⊠ YES	□NO
	The following records should be reviewed:			
	 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	water discharg • Sampling and	thorized non-storm e visual observatio Analysis records aintenance inspect ce records	
5.	Have you reviewed the major elements of the SWPPP compliance with the General Permit?	to assure	⋉ YES	NO
	The following SWPPP items should be reviewed:		2N	
	 pollution prevention team list of significant materials description of potential pollutant sources 	 identification ar 	potential pollutant and description of the potential po	e BMPs to be
6.	Have you reviewed your SWPPP to assure that a) the tin reducing or preventing pollutants in storm water disc non-storm water discharges, and b) the BMPs are bein The following BMP categories should be reviewed:	harges and authorized	∑ YES	NO
	 good housekeeping practices spill response employee training erosion control quality assurance 	preventative mmaterial handliwaste handlingstructural BMP	ng and storage pra /storage	octices
7.	Has all material handling equipment and equipment neal implement the SWPPP been inspected?	eded to	∑ YES	NO
ACS	CE EVALUATION REPORT			
The	facility operator is required to provide an evaluation repo	rt that includes:		
•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions	schedule for impany incidents of actions taken.	olementing SWPPF non-compliance ar	Previsions and the corrective
Use	Form 5 to report the results of your evaluation or develop	o an equivalent form.		
ACS	CE CERTIFICATION			
The certi	facility operator is required to certify compliance with the y compliance, both the SWPPP and Monitoring Program	Industrial Activities Sto must be up to date and	rm Water General d be fully implemen	Permit. To ted.
Base	ed upon your ACSCE, do you certify compliance with the ities Storm Water General Permit?	Industrial		NO
If you	answered "NO" attach an explanation to the ACSCE E Diance with the Industrial Activities Storm Water General	Evaluation Report why y Permit.	ou are not in	

1.

J.

2002-2003 ANNUAL REPORT

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments. Have you attached Forms 1,2,3,4, and 5 or their equivalent? YES (Mandatory) If you conducted sampling and analysis, have you attached the laboratory analytical reports? YES NO X NA 3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? YES NO NA X 4. Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? X YES NO NA. ANNUAL REPORT CERTIFICATION I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Printed Name: WOYSHNER REGIONAL ENVIRONMENTAL MANAGER

2C 003 ANNUAL REPORT

FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box. Make additional copies of this form as necessary.

SIGNATURE: TEM

TITLE: Geologist NAME OF PERSON COLLECTING SAMPLE(S): Steve McArdle

						AN	ANALYTICAL RESULTS For First Storm Event	ESULTS n Event			
DESCRIBE DISCHARGE	DATE/TIME OF SAMPLE	TIME DISCHARGE		BAS	BASIC PARAMETERS	ERS			OTHER PARAMETERS	METERS	
Example: NW Out Fall	COLLECTION	SIARIEU	РН	TSS	SC	O&G	TOC				
Outfall 001	11/08/02 [b AM 7:30	IZ AM 7:00 ☐ PM	6.90	98	183	1.3	ŀ				
	/ / AM	AM D									
	/ / AM : PM										
	/ / AM ::	DAM									
TEST REPORTING UNITS:	UNITS:		pH Units	l/gm	mɔ/oumn	l/gm	l/gm				
TEST METHOD DETECTION LIMIT:	FECTION LIMIT:		0.01	5.0	5.0	0.5	1				
TEST METHOD USED:	ED:		150.1	160.2	120.1	1664					
ANALYZED BY (SELF/LAB):	-F/LAB):		AETL*	AETL*	AETL*	AETL*	!				
TSS - Total Suspended Solids	spilos	SC - Specif	SC - Specific Conductano	Э. Э.	0&G - C	O&G - Oil & Grease		TOC - Total Organic Carbon	ganic Carbon		

^{*}American Environmental Testing Lab, Inc.

2/ 2003 ANNUAL REPORT

FORM 1-SAMPLING & ANALYSIS RESULTS

SECOND STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

 If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

NAME OF PERSON COLLECTING SAMPLE(S): Steve McArdle

When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

SIGNATURE:

TITLE: Geologist

			1								
					•						
		TERS									
		OTHER PARAMETERS									
>		OTHE									
	RESULTS										
	ANALYTICAL RESULTS For Second Storm Event		TOC					mg/l			
	A N H		980	ΩN				l/gm	0.5	1664	AETL*
		BASIC PARAMETERS	SC	89				umho/cm	5.0	120.1	AETL*
		BAS	TSS	531				mg/I	5.0	160.2	AETL*
			H	7.33				pH Units	0.01	150.1	AETL*
		TIME DISCHARGE STABTED	0	2:00 Ø PM	: BM	.: PM	AM				
		DATE/TIME OF SAMPLE		12/16/02	, AM	A PM	/ / AM :: PM	JNITS:	ECTION LIMIT:	D:	E/I AB):
		DESCRIBE DISCHARGE LOCATION	Example: NW Out Fall	Outfall 001				TEST REPORTING UNITS:	TEST METHOD DETECTION LIMIT:	TEST METHOD USED:	ANALYZED BY (SELF/LAB):

TOC - Total Organic Carbon

O&G - Oil & Grease

SC - Specific Conductance

*American Environmental Testing Lab, Inc.

TSS - Total Suspended Solids

2002-2003 ANNUAL REPORT

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD. Observe each authorized NSWD source, impacted drainage area, and discharge location.

Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit. Make additional copies of this form as necessary.

If YES , complete reverse side of this form.	If YES, complete reverse side of this form.	If YES, complete reverse side of this form.	If YES, complete reverse side of this form.
	If YES, complet reverse side of this form.	If YES, complet reverse side of this form.	If YES, complereverse side of this form.
WERE ANY AUTHORIZED NSWDS DISCHARGED DURING THIS QUARTER?	WERE ANY AUTHORIZED NSWDS DISCHARGED DURING THIS QUARTER?	WERE ANY AUTHORIZED NSWDS DISCHARGED DURING THIS QUARTER?	WERE ANY AUTHORIZED NSWDS DISCHARGED DURING THIS QUARTER?
Observers Name: 75; 11 75 mm 11 Title: Land Fill MGA. Signature: And The Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Command of the Comman	Observers Name: Steve McArdle Title: Geologist Signature: Signature: Signature: Steve McArdle	Observers Name: Steve McArdle Title: Geologist Signature: Auk (2)	Observers Name: Steve McArdle Title: Geologist Signature: Cur 02
QUARTER: JULY-SEPT. DATE: \[\lambda / \lambda \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot	QUARTER: OCTDEC. DATE: 12/31/02	QUARTER: JANMARCH DATE: 03/31/03	QUAKLEK: APRIL-JUNE DATE: 05/15/03

2002-2003 ANNUAL REPORT

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDS)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
 - Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
 - Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
 - Make additional copies of this form as necessary.

CINDTED. III V OFFIT				
	Observers Name: Bill Brown II	WERE UNAUTHORIZED	ļ V	If YES to
OBSERVATIONS	Title: Land (7/1) 6466.	NSWDs OBSERVED?	□ YES □NO	question,
1.11.2102 16.30 □ PM	Signature: 3-44 02	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	YES WO	complete reverse side.
QUARTER: OCTDEC.	Observers Name: Steve McArdle			If YES to .
DATE/TIME OF OBSERVATIONS	Title: Geologist	WERE UNAUTHORIZED NSWDs OBSERVED?	YES V	either question,
12/31/02 2:00 [2] PM	ture:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES WO	complete reverse side.
QUARTER: JANMARCH	Observers Name: Steve McArdle	WITH		If YES to
DATE/TIME OF OBSERVATIONS	Title: Geologist	WERE UNAUTHORIZED NSWDs OBSERVED?	TYES NO	either question,
03/31/03 4:00 [V] PM	ture:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES TO	complete reverse side.
QUARTER: APRIL-JUNE	Observers Name: Steve McArdle			If YES to
DATE/TIME OF OBSERVATIONS		WERE UNAUTHORIZED NSWDs OBSERVED?	TYES VO	either question,
05/15/03 2:30 [V] PM	ture:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES VO	complete reverse side.

,003 20

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES ANNUAL REPORT

Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
Visual observations must be conducted during the first hour of discharge

at all discharge locations. Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

Indicate "None" in the first column of this form if you dld not conduct a monthly visual observation. Make additional copies of this form as necessary.

SIDE A

Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge,

Observation Date: October 31 2002	Drainage Location Description	#1 None	7	#3	#4
vers Na	Observation Time	: D.M.	.: D P.M.	:.	
Title: Geologist U2	Time Discharge Began	: DP.M.	 A.M.	 DDC	
Signature: A CALL TOWN	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO
Observation Date: November 30 2002	Drainage Location Description	#1 None	#2	#3	#4
vers Na	Observation Time	: DP.M.	:.	 DC A.Y.	
Title: Geologist	Time Discharge Began	: D P.M.	 P.M. A.M.	.: □□[A.M.	 A.M.
Signature: XIAA	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	9
Observation Date: December 31, 2002	Drainage Location Description	#1 None	#2	#3	#4
vers Na	Observation Time	: DDD	 □□ A.M.	:.	 D D P.M.
Signature.	Time Discharge Began	: DD P.M.	: D-M.	 P.M.	 A.M.
ogradue.	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO
Observation Date: January 31 2003	Drainage Location Description	#1 None	#5	#3	#4
Observers Name: Steve McArdle	Observation Time	: B.M.	: D A.M.	.:	:. □ P.M.
Signature XIIII 4º M.	Time Discharge Began	: A.M.	: DD P.M. A.M.	: P.M.	
	(If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO

003

SIDE A

ANNUAL REPORT FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
 - Visual observations must be conducted during the first hour of discharge
- at all discharge locations.

 Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February 11 2003	Drainage Location Description	#1 OF-001	#2	8#	#4
vers Na	Observation Time	9:00 P.M.	 P.M.	: D P.M.	 D. P. M.
Title: Geologist / / / / /	Time Discharge Began		:.] 	: P.R.
Signature: XIIII UM	Were Pollutants Observed (If yes, complete reverse side)	YES NO [V]	YES NO	YES NO	YES NO
Observation Date: March 31 2003	Drainage Location Description	#1 None	#2	#3	#4
rvers Na	Observation Time	: DP.M.	:.	:.	 P. W. M. A. M. M. M. M. M. M. M. M. M. M. M. M. M.
Title: Geologist	Time Discharge Began	: DP:M.	: P.M.	 P.M. A.M.	.: J.M. A.M.
Signature: X LEMI U	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO
Observation Date: April 30 2003	Drainage Location Description	#1 None	#2	#3	#4
vers Na	Observation Time	: D A.M.	: D.M.	 P.M.	d
Title: Geologist	Time Discharge Began	: D-M.	:	 D. D. A. A. A. A. A. A. A. A. A. A. A. A. A.	 JUL
5	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO
Observation Date: May 31 2003	Drainage Location Description	#1 None	Z#	#3	#4
vers Na	Observation Time	: D P.M.	: P.M.	 M. A. A. M. M. M. M. M. M. M. M. M. M. M. M. M.	 D P.M.
Title: Gealogist	Time Discharge Began	: A P.M.	: D.M.	: P.M.	 DDC
oignaide:	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION

SIGNATURE:

Regional Environmental Mgr.

TITLE:

Bill Woyshner

INSPECTOR NA

/ 7 / 03

EVALUATION DATE: 5

corrective actions and their date(s) of Describe additional/revised BMPs or Describe additional/revised BMPs or corrective actions and their date(s) of Describe additional/revised BMPs or corrective actions and their date(s) of Describe additional/revised BMPs or corrective actions and their date(s) of implementation implementation implementation implementation Describe deficiencies in BMPs or BMP Describe deficiencies in BMPs or BMP Describe deficiencies in BMPs or BMP Describe deficiencies in BMPs or BMP implementation implementation implementation implementation question, complete the next two columns of this form If yes, to either question, complete question, complete the next two question, complete columns of this form If yes, to either columns of this form If yes, to either If yes, to either columns of this form the next two the next two YES No No \ No No \ N S S NO NO YES | □ YES Ne S YES NO HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ARE ADDITIONAL/REVISED BMPs NECESSARY? ARE ADDITIONAL/REVISED BMPs NECESSARY? ARE ADDITIONAL/REVISED BMPs NECESSARY? ARE ADDITIONAL/REVISED BMPs NECESSARY? POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA SOURCE/INDUSTRIAL ACTIVITY AREA SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Material storage and handling (as identified in your SWPPP) areas, Inert waste fill areas, (as identified in your SWPPP) (as identified in your SWPPP) Equipment storage areas, Office Space and parking. POTENTIAL POLLUTANT POTENTIAL POLLUTANT



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Ordered By

Vulcan Materials Co. 1801 University Drive Phoenix, AZ 85034

Telephone: (602)258-8818 Attention: Dan Zeller

Number of Pages 14 Date Received 11/08/2002 Date Reported 12/06/2002

Job Number	Order Date	Client
23470	11/08/2002	VULCAN

Project ID: ROUND #1, 2002-2003

Project Name: Storm Water Monitoring

Site:

The Storage Company

7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Enclosed please find results of analyses of 1 storm water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: G- Mala

Approved By:

Cyrus Razmara, Ph.D. Laboratory Director



COMPANY

nerican Environmental Testing Laboratory Inc.

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CTAIN OF CUSTODY THECORD

TEST INSTRUCTIONS & COMMENTS PLEASE Send [ESUITS	GLAM A. Brown, Censult Geology St. 3212 Whitney Ln. Blarhank Ca 91504	Please Sand results oraly to: Dilycan Materials Co.	Albertix, 172 \$5634 Allw. Van Zelles (2) Van Beveren + Bertera 706 W. Breadway	Glendale On 91204 ATW: Steek MSAidle	Signature: Signature: Printed Name: Dafe:	Signaurie 3. Signaurie 3. Signaurie 3. M. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C. of C.
AETL JOB No. 2347 D ANALYSIS REQUESTED L. C. T. C. C. C. C. C. C. C. C. C. C. C. C. C.	1-Hd] > 2-5702-W 3-HJL > 002 > 51-PU0) > 51-PU0) >			REI INO.	Time:	Signature: Printed Name: Time: Date:
PHONE(818) C182-6709 FROJECT # ROLLING #1	X	1-125ML Pay			SAMPLER: Signalide Finded Name: Date: 1-8-02 RECEIVED BY	HRS. Printed Name: Date:
L'EWN MATEURAIS CONTOURAL CAN AND A. Brown MUNITERING - 2002/2003 The Stores Company @ CANAL	DATE TIME MATRIX			BE FILLED BY LABORATORY	SAMPLES INTACT (\$\infty \n \n \n \n \n \n \n \n \n \n \n \n \n	SAME DAY 24 HRS. ARY - Laboratory DINK - Decis
PROJECT MANAGER PROJECT NAME STOCKMUNATES MUNITORING - 2002/2003 AND ADDRESS TO STOKE COMPONING CALLIE	SAMPLE 10 LAB 10 CF-001 23470.01			9	CUSTODY SEALS Y/N/(M) RECEIVED IN GOOD COND. (M) TURN A	NORMAL RUSH ISTRIBUTION: WHITE - Laboratory, CAN



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 University Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

2

Project ID:

ROUND #1, 2002-2003

Project Name: Sto:

Storm Water Monitoring

AETL Job Number Submitted Cli 23470 11/08/2002 VUL

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QC Batch No: 11092002 QC Prepared: 11/09/2002 QC Analyzed: 11/09/2002

Our Eab I.D. Client Sample I.D.				23470.01			2 17 63
			Method Blank	OF-001	area and a second		PERSONAL PROPERTY.
Date Sampled			11/08/2002	11/08/2002			
Date Prepared			11/08/2002	1			
Preparation Method			5035	5035			
Date Analyzed							
atrix				11/09/2002			
Units			Aqueous	Aqueous			
Dilution Factor			ug/L	ug/L			
Analytes			1	1			
	MDL	PQL	Results	Results		CERTIFICATION OF THE PERSON	HEAT CHOCK
ΓΡΗ as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	ND			

			23470.01	TESTER SOME OF THE SOME STREET	
Surrogates	Con.Limit	% Rec.	% Rec.		
Bromofluorobenzene	75-125	95	80		



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Telephone: (602)258-8818

Attn:

Dan Zeller

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3

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted CIi
23470 11/08/2002 VUL

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40) QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/16/2002

Client Sample I.D.				23470.01			建装
Date Sampled			Method Blank	OF-001		127545355555	A E
Date Prepared		[11/08/2002	11/08/2002			
Preparation Method			11/12/2002	11/12/2002			
Date Analyzed			3510C	3510C			
Matrix			11/16/2002	11/16/2002			
Units			Aqueous	Aqueous			
Dilution Factor			mg/L	mg/L			
Analytes	<u> </u>		1	1			
PH as Diesel (C12-C23)	MDL	PQL	Results	Results	ansana maa		D. Maria
	0.1	0.5	ND	1.24	世(公元) 三世 (本代明)	SERVER OF	
PH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	1.07			
PH Total as Diesel and Heavy HC.C12-C40	0.1	0.5	ND	2.31			

Surrogates			23470.01	\$2200 HEZWESTRENG ALEXES
Chlorobenzene	Con Limit	% Rec.	% Rec.	
Chrorobenzene	75-125	98	91	



an Environmental. Testing La pratory Inc.

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Attn:

Dan Zeller

Page

Project ID: ROUND #1, 2002-2003

AETL Job Number | Submitted Clie 11/08/2002

		2002-200. Monito:	-		4	AETL Job Nur	mber Si	ubmitted	Cli
Our Lab I.D.	nacci	. MOHITCO				23470	11	/08/2002	VUL
Client Sample I.D.							N/A	23470.01	20-10-20-20-20-20-20-20-20-20-20-20-20-20-20
Date Sampled							Method Blar		
Matrix								2 11/08/2002	
Analytes	D.F.	Method	Units	MDI			Aqueous	Aqueous	
Specific conductance	1	120.1	umhos/cm	MDL	PQL	Analyzed	Results	Results	
оН	1	150.1	 	5.0	10.0	//2002	1	183	
otal Suspended Solids (TSS)	1	160.2	pH unit	0.01	0.0	1-2/00/2002		6.90	
Dil and Grease	+	1664	mg/L	5.0	10.0	11/12/2002	ND	86	
Calcium			mg/L	0.5	1.0	11/13/2002	ND	1.3	
ead		200.7	mg/L	0.25	0.50	11/13/2002	ND	19.5	
lickel	- 1	200.7	mg/L	0.05	0.10	11/13/2002	ND	0.095	
odium		200.7	mg/L	0.01	0.05	11/13/2002	ND	0.025	
inc		200.7	mg/L	0.25	0.50	11/13/2002	ND	5.56	
hloride	1 1	200.7	mg/L	0.01	0.05	11/13/2002	ND	0.17	
ochemical Oxygen Demand	1	325.3	mg/L	0.5	1.0	11/14/2002	ND	7.0	
OD)	1	405.1	mg/L	5.0	5.0	11/13/2002	ND	51.0	
nemical Oxygen Demand	1	410.4	mg/L	5.0	10.0	11/08/2002	ND	95.7	



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The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

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Project ID: Project Name:

ROUND #1, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Cli 23470 11/08/2002 VUL

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/12/2002

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	ĺ	% Limit	
Specific conductance	183	181	1.1	<15	141.30	141.30	100	80-120	



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Vulcan Materials Co. 1801 University Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

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Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Cli
23470 11/08/2002 VUL

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 11082002 QC Prepared: 11/08/2002 QC Analyzed: 11/08/2002

	014	T		T						
	SM	SM DUP	RPD	SMRPD	LCS	LCS	LCS	LCS/LCSD		T
Analytes	Result	Result	%	% Limit	Concen	Recov		% Limit	1	
рН	6.90	6.87	<1	<15		7.00		80-120		
								80-120		



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 University Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

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Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Cli
23470 11/08/2002 VUL

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/12/2002

		·								
经制度的特别的 医克里克斯氏	SM	SM DUP	RPD	SM RPD	LCS	LCS	ICS	LCS/LCSD		T
Analytes	Result	Result	%	0(1:			1	1	j.	
AND AND AND AND AND AND AND AND AND AND		TCSGR	70	% Limit	Concen	Recov	% REC	% Limit		
Total Suspended Solids (TSS)	86	84	2.4	<15	100.00	97.00	97	00 100		
						27.00		80~120		



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AETL Job Number

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Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

23470

Submitted

Cli 11/08/2002 VUL

Method: 1664, Oil and Grease, Gravimetric

QUALITY CONTROL REPORT

QC Batch No: 11132002 QC Prepared: 11/13/2002 QC Analyzed: 11/13/2002

	LCS	LCS	LCS	LCS/LCSD		T]	Т
	Concen	Recov	% REC	% Limit		į		
Oil and Grease	10.00	9.20	92	80-120				ļ
				<u> </u>	 <u> </u>	i		ſ



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Attn:

Dan Zeller

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Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

Metals (Ca Ph Ni Na Za)

AETL Job Number Submitted Clie
23470 11/08/2002 VULC

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/13/2002

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	Т
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Calcium	1.00	0.90	90	1.00	0.94	94	4.3	80-120	<15	
Lead	1.00	0.93	93	1.00	0.98	98	5.2	80-120		
Nickel	1.00	0.97	97	1.00	0.98	98	1.0	80-120	<15	
Sodium	1.00	0.97	97	1.00	0.96	96	1.0	80-120	<15	
Zinc	1.00	0.97	97	1.00	0.97	97	<1	80-120	<15	

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/13/2002

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Calcium	1.00	0.96	96	80-120	 	-	-
ead	1.00	0.97	97	80-120		 	
lickel	1.00	0.98	98	80-120			 <u> </u>
odium	1.00	0.95	95	80-120			
inc	1.00	0.97	97	80-120	 		 ļ



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Telephone: (602)258-8818

Attn:

Dan Zeller

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Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Clie
23470 11/08/2002 VULC

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 11142002 QC Prepared: 11/14/2002 QC Analyzed: 11/14/2002

				rea. 11/14/	2002 QC A	Analyzed: 1	1/14/2002			
	MS	MS	MS	MS DUD	MODUE	T		7		
Analytes	Concen	Recov	% REC	1	1	MS DUP	RPD	MS/MSD	MS RPD	
Chloride	20.00	20.00		Concen	Recov	% REC		•	% Limit	i
	20.00	20.00	100	20.00	20.00	100	<1	80-120		-

QC Batch No: 11142002 QC Prepared: 11/14/2002 QC Analyzed: 11/14/2002

,			do i iepa	neu: 11/14/	2002 QC	Analyzed: 1	1/14/2002		
	SM	SM DUP	RPD	SM RPD	LCS	1.00		· · · · · · · · · · · · · · · · · · ·	
Analytes	Result	Result	%	% Limit		LCS	LCS	LCS/LCSD	
Chloride	7	7			Concen	Recov	% REC	% Limit	
			<1	<15	20.00	20.00	100	80-120	
								11	



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Attn:

Dan Zeller

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Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Clie
23470 11/08/2002 VULC

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

<u>QUALITY CONTROL REPORT</u>

QC Batch No: 11082002 QC Prepared: 11/08/2002 QC Analyzed: 11/13/2002

						-			
	SM	SM DUP	RPD	T 011 555	T .	<u> </u>			
Analytes			5	SM RPD	LCS	LCS	LCS	LCS/LCSD	
CHARLES AND A COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY OF THE COMPANY	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	1
Biochemical Oxygen Demand (BOD)	6.6	7.2			 		,,,,,,	70 LITTIL	ı
(BOD)		1.2	8.7	<15	200.00	216.00	108	80-120	
						L		00 120	



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Attn:

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Project ID: Project Name: ROUND #1, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Cli
23470 11/08/2002 VUL

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

<u>QUALITY CONTROL REPORT</u>

QC Batch No: 11082002 QC Prepared: 11/08/2002 QC Analyzed: 11/08/2002

						manyacu.	1700/2002			
	MS	MS	MS	MS DUP	MC DUD	110 5115		1		
Analytes	Concen	D		i	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chemical Oxygen Demand	50.00	52.00	104	50.00	51.50	7.00			/0 LIIIII	1
	·			30.00	31.30	103	<1	80-120	<15	

QC Batch No: 11082002 QC Prepared: 11/08/2002 QC Analyzed: 11/08/2002

						•			
	SM	SM DUP	RPD	SM RPD	LCS	LCS	1.00	1	
Analytes	Result	Result	%	% Limit	200	Recov	LCS % REC	LCS/LCSD % Limit	
Chemical Oxygen Demand	127	125	1.6	<15	50.00	53.00	106	80-120	
								L	



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Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

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Attn:

Dan Zeller

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Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Clie 23470 11/08/2002 VULC

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/16/2002

W. Mariana				· ca. 11/12/	2002 QC J	Analyzed: 1	1/16/2002			
	MS	MS	MS	MS DUD	140.04					
Analytes	Concen	Recov		i	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
TPH as Diesel (C12-C23)			% REC	Concen	Recov	% REC	%	% Limit	% Limit	
(012 023)	5.00	5.10	102	5.00	4.80	96	6.1			
								75-125	<20	

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/16/2002

				11/12/	2002 QC Anal	lyzed: 11	/16/2002		
Analytes	LCS	LCS	LCS	LCS/LCSD				Ţ	
	Concen	Recov	% REC	% Limit			į		
TPH as Diesel (C12-C23)	5.00	4.15	83	75-125					



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 University Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

14

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Clife 23470 11/08/2002 VULC

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QUALITY CONTROL REPORT

QC Batch No: 11092002 QC Prepared: 11/09/2002 QC Analyzed: 11/09/2002

			do i repa	rea: 11/09/	2002 QC A	Analyzed: 1	1/09/2002			
Analytes	MS Concen	MS Recov	MS % REC	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	T
TPH as Gasoline and Light HC.	50.00	46.00	92	Concen 50.00	Recov 48.00	% REC	%	% Limit	% Limit	
(C4-C12)					40.00	96	4.3	75-125	<20	

QC Batch No: 11092002 QC Prepared: 11/09/2002 QC Analyzed: 11/09/2002

			четтера	neu. 11/09/2	2002 QC A	Analyzed: 1	1/09/2002		
Analytes	LCS	LCS	LCS	LCS/LCSD			1	 	
	Concen	Recov	% REC	% Limit			1		
TPH as Gasoline and Light HC. (C4-C12)	50.00	46.00	92	75-125					



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Storm Water Limits U.S. EPA Multi-Sector Permit Parameter Benchmark Values

Parameter BOD (5 days)	Test Me	er Benchmarl	MRG 9
COD (3 days)	405.1	48 Hours	penendiark value
	410.4	28 Days	30 mg/L
Total Suspended Soli	ds 160.2	7 Days	120 mg/L
Oil & Grease (dispers	ed) 1664	28 Days	100 mg/L
Nitrate + Nitrite Nitro	gen 300.0	28 Days	15 mg/L
Total Phosphorus	365.2	28 Days	0.68 mg/L
pH	150.1	Same Day	2.0 mg/L
Acrylonitrile	624	14 Days	6.0-9.0 s.u.
Aluminum, Total	200.7	6 Months	7.55 mg/L
Ammonia	350.3	28 Days	0.75 mg/L
Antimony, Total	200.7	6 Months	19 mg/L
Arsenic, Total	200.7	6 Months	0.636 mg/L
Benzene	624	14 Days	0.169 mg/L
Beryllium, Total	200.7		0.01 mg/L
Butylbenzyl Phthalate	625	6 Months	0.13 mg/L
Cadmium, Total	200.7		3 mg/L
Chloride	325.3	6 Months	0.0159 mg/L
Copper, Total	200.7	28 Days	860 mg/L
Dimethyl phthalate	625	6 Months	0.0636 mg/L
Ethylbenzene	624		1.0 mg/L
Fluoranthene	625	14 Days	3.1 mg/L
Fluoride	300.0	*	0.042 mg/L
Iron, Total	200.7	28 Days	1.8 mg/L
Lead, Total	200.7	6 Months	1.0 mg/L
Manganese, Total	200.7	6 Months	0.0816 mg/L
Mercury, Total	245.2	6 Months	1.0 mg/L
Vickel, Total	200.7	28 Days	0.0024 mg/L
PCB-1016	608	6 Months	1.417 mg/L
CB-1221	608	*	0.000127 mg/L
CB-1232	608	*	0.10 mg/L
CB-1242	608	*	0.000318 mg/L
CB-1248		*	0.00020 mg/L
CB-1254	608	*	0.002544 mg/L
CB- 1260	608	*	0.10 mg/L
nenols, Total	608	*	0.10 Hg/L
rene	420.2	28 Days	0.000477 mg/L
lenium, Total	625	*	1.0 mg/L
ver, Total	200.7	6 Months	0.01 mg/L
luene	200.7	6 Months	0.239 mg/L
chloroethylene	624	14 Days	0.0318 mg/L
	624	14 Days	10.0 mg/L
c, Total	200.7		0.0027 mg/L
to Days Extraction, 40 to	Davis A. J.	1_0 1740111113	0.117 mg/L

Regional Water Boards may adopt Parameter Benchmark Values that are different than those listed in this table.



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Data Qualifiers and Descriptors

Data Qualifier:

B:

Analyte was present in the Method Blank.

D:

Result is from a diluted analysis.

E:

Result is beyond calibration limits and is estimated.

J:

Analyte was detected. However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi:

Percent acceptable limits.

%REC:

Percent recovery.

Con.L:

Acceptable Control Limits

Conce:

Added concentration to the sample.

LCS:

Laboratory Control Sample

MDL:

Method Detection Limit is a statistically derived number which is specific for each instrument, each method and each compound. It indicates a distinctively detectable quantity with 99% probability.

MS:

Matrix Spike

MS DU:

Matrix Spike Duplicate

ND:

Analyte was not detected in the sample at or above MDL.

PQL:

Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that car be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recov:

Recovered concentration in the sample.

RPD:

Relative Percent Difference



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Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034

Telephone: (602)258-8818 Attention: Dan Zeller

Number of Pages 14 Date Received 12/16/2002 Date Reported 01/14/2003

Job Number	Order Date	Client
23917	12/16/2002	VULCAN

Project ID: ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

Site:

The Storage Company

7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Enclosed please find results of analyses of 1 storm water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 6 Morel.

Approved By: Chapm

Cyrus Razmara, Ph.D. Laboratory Director



...nerican Environmental Testing Laboratory Inc. 2834 North Naomi Sucet Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

CEAN OF CISTODY RECORD

COMPANY WATER STOR / MUNIL CAN HOLL MAS	- Manin	Lean H	"Kings	PHONE	(818) 982-62g	620	AETL JOB No.	· 23917		Ф Ф С	
PROJECT NAME NETWORK SLEND H. BROWN	vale 16	Land 4:	Better	X X			ANA	ANALYSIS REQUESTED		ر در	o P
The street Story William Schaff No. 2002/2003 ROWN # 299-017	S.Comp.S.	12 - 200	2/2003	PROJEC	10-66	1	4 20,7 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10			Plence Com Cacalle	2
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			H THE	Cityno	North Houyalord Ca. gloos	lbo5	574 55 <u>[</u>	り し し		GLEID A. BANN	*****
a		DATE	TIME	WATRIX	CONTAINER NUMBER/SIZE	PRES.	17 W	10 10 10 10		Consulting Geologist	
CF 001 2397701		12-16-02 1	1500	Hac	2 IR All	5				3212 Whitney Ly	
			-		2-40 m W		A	>		Burbank, Car. 9150	3
A LAUST					1-125ML QUY	770	X			Plesson South Column	Т
vo u		-				1	\ \ X	\ \ \		and to:	T
c					7441						T -
										1) Validan Matawals Co.	Т.
c o										SOI UNIVERSITY Dr.	1
Ut.										Phoenix, A.2 85034	
2										ATM. Dan Zeller	
27										7 Mar & 18 1 1 1 1	T
10				+						10 11 00 1 00 1 00 1 00 1 00 1 00 1 00	
		-		-						Silto 201	, Married
·										Glendale, Ca. 91204	1
SAMPLE RECEIPT	5	BE FILLED BY LABORATORY	LABOR	ATORY		RELINQUISHED BY	-	RELINOUISHED BY:	\neg	ATIN: STEW WEATHER	T
TOTAL NUMBER OF CONTAINERS	2	PROPERLY COOLED (Y/N/NA	OLED (Y/N	/ NA	SAMPLER:	TLER:	<u>-</u> (Signature.	2.	RELINGUISHED BY: 3.	
CUSTODY SEALS Y/N/(NA)		SAMPLES INTACT	CT(Y)N/NA	4	Prind	Printegrang		Printed Name:		Signature:	
RECEIVED IN GOOD COND. (y) N		SAMPLES ACCEPTED (Y // N	EPTED (Y // N	-	Date: 1	₹.	Time: 1	Date:		Printed Name:	7
	TURN AROUND TIME	IND TIME			RECEN	RECEIVED BY:	16C6/16	an and an an an an an an an an an an an an an		Time;	
240					Signature:		'	neceived 8Y;	ki	RECEIVED BY 3.	
NORMAL	RUSH	SA 24 +	SAME DAY	☐ 48 HRS.		Vame:		Signature:		Signature: 1	_
				: :]) Japan		Time:			Printed Name.	
DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager VELLOW, C.	ry, CANARY	- Laboratory,	PINK - Pro	ject/Accor	Int Manager VE	0 80 1		Time:		Date: Time: Time	
					un manager, in	-LLOW - Samp	ler/Originator			227	_

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CHAIN OF CUSTODY RECORD

TEST INSTRUCTIONS & COMMENTS PLEASE, Send PESUITS THE MINISTRUCTIONS & COMMENTS PLEASE, Send PESUITS 3212 Whithey Ln Bunhank, Cal 91504 Please Send Pesuits Only 70: Which Materials Co. Preedict Materials Co. Bunhank A7 85034 ATM Day 2ciller Bunhank Ediler Change 1 Materials Co. Preedict Materials Co. Preedict Materials Co. Preedict Materials Co. Preedict Materials Co. Red W. Espaduary	ATTAL STEW IN SHOULE RELINQUISHED BY: Signature: Printed Name. Data Time: Printed Name. Time: RECEIVED BY LABORATORY: Signature: Printed Walke: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time: Time:
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	SAMPLE RECEIPT - TO BE FILLED BY LABORATORY TOTAL NUMBER OF CONTAINERS CUSTODY SEALS Y / N (NA) RECEIVED IN GOOD COND. (Y) N RECEIVED IN GOOD COND. (Y) N TURN AROUND TIME NORMAL SAMPLES INTACT (Y) N / NA SAMPLES INTACT (Y) N / NA SAMPLES INTACT (Y) N / NA SAMPLES INTACT (Y) N / NA SAMPLES INTACT (Y) N / NA PRINGERIES PROPERTY OF A B HRS. Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature: Signature:



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

2

Project ID: Project Name:

ROUND #2, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Clien 23917 12/16/2002 VULCA

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

Our Lab I.D.			Marana and	23917.01	NEADERS CONTA	 Title Company
Client Sample I.D.	<u> </u>		Method Blank			
Date Sampled			12/16/2002			
Date Prepared			12/16/2002			
Preparation Method			5035	5035		
Date Analyzed			12/23/2002			
Matrix			Aqueous	Aqueous		
Units			ug/L	ug/L		
Dilution Factor			1	ug/15		
Analytes	MDL	PQL	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	ND		

Our Lab I-D.			23917.01		A STATE OF TAXABLE	Total Salar
Surrogates	Con.Limit	% Rec.	% Rec.			
Bromofluorobenzene	75-125	88	91			
				<u> </u>		



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

3

Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Clien
23917	12/16/2002	VULCA

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40) QC Batch No: 12192002 QC Prepared: 12/19/2002 QC Analyzed: 12/20/2002

Our Lab I.D.				23917.01			
Client Sample I.D.	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Method Blank		NAMES OF THE OWNER.		
Date Sampled			12/16/2002	12/16/2002			
Date Prepared			12/19/2002	12/19/2002			
Preparation Method			3510C	3510C			
Date Analyzed	*****		12/20/2002	12/21/2003			
Matrix			Aqueous	Aqueous			
Units		mg/L	mg/L				
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			(Red Notes
TPH as Diesel (C12-C23)	0.1	0.5	ND	0.33J		46556650680	
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	0.41J			
TPH Total as Diesel and Heavy HC.C12-C40	0.1	0.5	ND	0.75			

Our Lab I.D.			23917.01	
Surrogates	Con. Limit	% Rec.	% Rec.	
Chlorobenzene	75-125	105	93	1



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034

Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page

4

Project ID: ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

AETL Job Number Submitted Client

Project Name: Storm		23917		12/	16/2002	VULCAN				
Our Lab I.D.		76					N/A		23917.01	i de la composition de la composition de la composition de la composition de la composition de la composition
Client Sample I.D.				S-250 - S-100 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200 - S-200			Method 1	26.5	-1- 1	
Date Sampled							·		OF-001	
Matrix							-		12/16/2002	
Analytes	D.F.	Method	Units	MDL	PQL	Table 1 According	Aqueo		Aqueous	
Specific conductance	4			<u> </u>	I Real Tribes-by William	Analyzed	Resul	Lts	Results	
		120.1	umhos/cm	5.0	10.0	12/17/2002	ND		89	
pH	1	150.1	pH unit	0.01	0.01	12/16/2002	NA		7.33	
Total Suspended Solids (TSS)	1	160.2	mg/L	5.0	10.0	12/17/2002	ND		531	
Oil and Grease	1	1664	mg/L	0.5	1.0	12/24/2002	ND		ND	
Calcium	1	200.7	mg/L	0.25	0.50	12/17/2002	ND		13.9	
Lead	1	200.7	mg/L	0.05	0.10	12/17/2002	ND		0.09J	
Nickel	1	200.7	mg/L	0.01	0.05	12/17/2002	ND		0.19	
Sodium	1	200.7	mg/L	0.25	0.50	12/17/2002	ND		4.21	
Zinc	1	200.7	mg/L	0.01	0.05	12/17/2002	ND		0.35	
Chloride	1	325.3	mg/L	0.5	1.0	12/18/2002	ND		4.0	
Biochemical Oxygen Demand	1	405.1	mg/L	5.0	5.0	12/23/2002				
(BOD)			3 -		3.0	12/23/2002	ND		12.1	
Chemical Oxygen Demand	1	410.4	mg/L	5.0	10.0	12/23/2002	ND		50.7	



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

AETL Job Number Submitted

Client

VULCAN

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

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Project ID:

ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

23917 12/16/2002

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch No: 12172002 QC Prepared: 12/17/2002 QC Analyzed: 12/17/2002

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Specific conductance	60	60	<1	<15	141.30	141.30	100	80-120	



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The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

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Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
23917	12/16/2002	VULCAI

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 12162002 QC Prepared: 12/16/2002 QC Analyzed: 12/16/2002

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
рН	6.77	6.77	<1	<15	7.00	7.00	100	80-120	



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Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

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Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Clien
23917	12/16/2002	VULCA

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch No: 12172002 QC Prepared: 12/17/2002 QC Analyzed: 12/17/2002

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Total Suspended Solids (TSS)	174	173	<1	<15	100.00	92.00	92	80-120	



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

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Project ID:

ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

AETL Job Number Submitted Clien
23917 12/16/2002 VULCA

Method: 1664, Oil and Grease, Gravimetric

QUALITY CONTROL REPORT

QC Batch No: 12242002 QC Prepared: 12/24/2002 QC Analyzed: 12/24/2002

	LCS	LCS	LCS	LCS/LCSD		T		
Analytes	Concen	Re c ov	% REC	% Limit	'			
Oil and Grease	10.00	9.20	92	80-120				_



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Dan Zeller

Page:

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Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch No: 12172002 QC Prepared: 12/17/2002 QC Analyzed: 12/17/2002

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	-
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Calcium	1.00	1.06	106	1.00	1.10	110	3.7	80-120	<15	
Lead	1.00	1.03	103	1.00	1.02	102	<1	80-120	<15	
Nickel	1.00	1.01	101	1.00	1.03	103	2.0	80-120	<15	
Sodium	1.00	1.08	108	1.00	1.10	110	1.8	80-120	<15	
Zinc	1.00	0.98	98	1.00	1.01	101	3.0	80-120	<15	

QC Batch No: 12172002 QC Prepared: 12/17/2002 QC Analyzed: 12/17/2002

LCS	LCS	LCS	LCS/LCSD		***************************************				T
Concen	Recov	% REC	% Limit				The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
1.00	1.07	107	80-120						
1.00	1.04	104	80-120						
1.00	1.02	102	80-120					 	-
1.00	1.08	108	80-120						
1.00	1.01	101	80-120						ļ
	1.00 1.00 1.00 1.00	Concen Recov 1.00 1.07 1.00 1.04 1.00 1.02 1.00 1.08	Concen Recov % REC 1.00 1.07 107 1.00 1.04 104 1.00 1.02 102 1.00 1.08 108	Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120	Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120	Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120	Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120	Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120	LCS LCS LCS/LCSD Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120



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ANALYTICAL RESULTS

Ordered By

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The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

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Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 12182002 QC Prepared: 12/18/2002 QC Analyzed: 12/18/2002

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chloride	20.00	20.00	100	20.00	20.00	100	<1	80-120	<15	

QC Batch No: 12182002 QC Prepared: 12/18/2002 QC Analyzed: 12/18/2002

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Re c ov	% REC	% Limit	
Chloride	74	74	<1	<15	20.00	20.00		80-120	



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Project ID: Project Name: ROUND #2, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 12182002 QC Prepared: 12/18/2002 QC Analyzed: 12/23/2002

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Biochemical Oxygen Demand (BOD)	ND	ND	<1	<15	200.00	196.00	98	80-120	



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ANALYTICAL RESULTS

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Dan Zeller

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Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	İ	% Limit		
Chemical Oxygen Demand	50.00	48.00	96	50.00	47.00	94	2.1	80-120		
				L				00.120	<13	

QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

[] [] [] [] [] [] [] [] [] []									
	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov		% Limit	
Chemical Oxygen Demand	20.8	22.2	6.5	<15	50.00	50.00	100	80-120	
		L						00-120	I



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Project ID: Project Name: ROUND #2, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Client
23917 12/16/2002 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch No: 12192002 QC Prepared: 12/19/2002 QC Analyzed: 12/21/2003

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Diesel (C12-C23)	5.00	3.95	79	5.00	3.85	77	2.6	75-125	<20	

QC Batch No: 12192002 QC Prepared: 12/19/2002 QC Analyzed: 12/21/2003

	LCS	LCS	LCS	LCS/LCSD	T	<u> </u>	1
Analytes	Concen			% Limit			
TPH as Diesel (C12-C23)	5.00	3.65	73	75-125			



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ANALYTICAL RESULTS

Ordered By

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The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818 Attn: Dan Zeller

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Project ID:

ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QUALITY CONTROL REPORT

QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Gasoline and Light HC.	50.00	43.00	86	50.00	47.50	95	9.9	75-125	<20	
(C4-C12)										

QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

5 ·	LCS	LCS	LCS	LCS/LCSD					
Analytes	Concen	Recov	% REC	% Limit					
TPH as Gasoline and Light HC.	50.00	55.00	110	75-125					
(C4-C12)									
						 	L	1	<u> </u>



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method

Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi:

Percent acceptable limits.

%REC:

Percent recovery.

Con.L:

Acceptable Control Limits

Conce:

Added concentration to the sample.

LCS:

Laboratory Control Sample

MDL:

Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

MS:

Matrix Spike

MS DU:

Matrix Spike Duplicate

ND:

Analyte was not detected in the sample at or above MDL.

PQL:

Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recov:

Recovered concentration in the sample.

RPD:

Relative Percent Difference



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Storm Water Limits U.S. EPA Multi-Sector Permit Parameter Benchmark Values

Parameter		Holding Time	Benchmark Value
BOD (5 days)	405.1	48 Hours	30 mg/L
COD	410.4	28 Days	120 mg/L
Total Suspended Solids	160.2	7 Days	100 mg/L
Oil & Grease (dispersed)	1664	28 Days	15 mg/L
Nitrate + Nitrite Nitrogen	300.0	28 Days	0.68 mg/L
Total Phosphorus	365.2	28 Days	2.0 mg/L
рН	150.1	Same Day	6.0-9.0 s.u.
Acrylonitrile	624	14 Days	7.55 mg/L
Aluminum, Total	200.7	6 Months	0.75 mg/L
Ammonia	350.3	28 Days	19 mg/L
Antimony, Total	200.7	6 Months	0.636 mg/L
Arsenic, Total	200.7	6 Months	0.169 mg/L
Benzene	624	14 Days	0.01 mg/L
Beryllium, Total	200.7	6 Months	0.13 mg/L
Butylbenzyl Phthalate	625	*	3 mg/L
Cadmium, Total	200.7	6 Months	0.0159 mg/L
Chloride	325.3	28 Days	860 mg/L
Copper, Total	200.7	6 Months	0.0636 mg/L
Dimethyl phthalate	625	*	1.0 mg/L
Ethylbenzene	624	14 Days	3.1 mg/L
Fluoranthene	625	*	0.042 mg/L
Fluoride	300.0	28 Days	1.8 mg/L
Iron, Total	200.7	6 Months	1.0 mg/L
Lead, Total	200.7	6 Months	0.0816 mg/L
Manganese, Total	200.7	6 Months	1.0 mg/L
Mercury, Total	245.2	28 Days	0.0024 mg/L
Nickel, Total	200.7	6 Months	1.417 mg/L
PCB-1016	608	*	0.000127 mg/L
PCB-1221	608	*	0.10 mg/L
PCB-1232	608	*	0.000318 mg/L
PCB-1242	608	*	0.00020 mg/L
PCB-1248	608	*	0.002544 mg/L
PCB-1254	608	*	0.10 mg/L
PCB- 1260	608	*	0.000477 mg/L
Phenols, Total	420.2	28 Days	1.0 mg/L
yrene	625	*	0.01 mg/L
Selenium, Total	200.7	6 Months	0.239 mg/L
Silver, Total	200.7	6 Months	0.0318 mg/L
Coluene	624	14 Days	
richloroethylene	624	14 Days	10.0 mg/L
Linc, Total	200.7	6 Months	0.0027 mg/L 0.117 mg/L

^{* 7} to Days Extraction, 40 to Days Analysis of the extract.

Regional Water Boards may adopt Parameter Benchmark Values that are different than those listed in this table.

NOTICE OF INTENT

TO COMPLY WITH THE TERMS OF THE
GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 97-03-DWQ)
(Excluding Construction Activities)



ECTION I. NOI STATU	US (please check only	one box)		ere Zu
L [] New Permittee	B. 🌠 Change	of Information WDID # 14119950	10,2,7,	61711
ECTION II. FACILITY	OPERATOR INFO	DRMATION (See instructions)		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
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Vailing Address:	1.1.1.1.1.1	11111111111	6.	
City: .	<u> </u>	<u> </u>	State:	Zip Code:
Contact Person:	I WOYSHINE	<u>R </u>		- F. To - B
B. OPERATOR TYPE: (check one) 1.[] Priva	rate 2.[]City 3.[]County 4.[]State 5.[]Federal 6.[]Special Dis	irict 7.[]Gov. Combo
ECTION III. FACILITY	SITE INFORMAT	ION	alan sa shiring an a section of	
A. FACILITY NAME	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>		Phone:
Focation:	111111	11111111111	- ಉಪಪತ್ರಿಕ	County: [1] [1] [1] [1] [1]
City: 1 1 1 1 1 1	1 1 1 1 1 1 1 1	<u> </u>	State: CIA	Zip Code:
B. MAILING ADDRESS: 1312001 SIAINI IF	ERNAINDIO	RPILLILLE	(MA) (MA) (46) (40)	
CIN: LPISI IANIGIE	LESIIII	<u>[] </u>	State: QIA	Zip Code: 1900 651-1111
Contact Person:	I WOYISHINIE	Rullini	a)	
C. FACILITY INFORMATION Total Size of Site:	N (check one		Percer	nt of Site Impervious (including rooftops)
D. SIC CODE(S) OF REGUL	LATED ACTIVITY:	E. REGULATED ACTIVITY (describe each	SIC code):	
1. <u>A121215</u>		SELF STORAGE III	1 1 1 1	
2. <u>49.1513</u> 1		CLIOSEID ILIANDRILLI	1111	
3. <u> 1 1 1 1</u>			1 1 1 1 2	
				FOR STATE USE ONLY:

TION IV. ADDRESS FOR CORRESPONDENCE	
I Facility Operator Mailing Address (Section II) [Facility Mailing Address (Section III, B.)	l_l Both
CTION V. BILLING ADDRESS INFORMATION William Operator Mailing Address (Section II) WiFacility Mailing Address (Section II)	ction III, B.) []Other (enter information below)
:ND BILL TO: []Facility Operator Mailing Address (Section II)	Phone:
rme: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1_1_11_1_1_1
alling Address: 1 1 1 1 1 1 1 1 1 1	State: Zip Code:
ty: 11:[11:[1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:	
ontact Person:	
CTION VI. RECEIVING WATER INFORMATION	
'our facility's storm water discharges flow: (check one) [] Directly OR [] Indire	ectly to waters of the United States.
lame of receiving water:	
ECTION VII. IMPLEMENTATION OF PERMIT REQUIREMENTS	
A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (check one) A SWPPP has been prepared for this facility and is available for review. A SWPPP will be prepared and ready for review by (enter date):	
B. MONITORING PROGRAM (check one) [] A Monitoring Program has been prepared for this facility and is available for review. [] A Monitoring Program will be prepared and ready for review by (enter date):/	
C. PERMIT COMPLIANCE RESPONSIBILITY. Has a person been assigned responsibility for: 1. Inspecting the facility throughout the year to identify any potential pollution problems? 2. Collecting storm water samples and having them analyzed? 3. Preparing and submitting an annual report by July 1 of each year? 4. Eliminating discharges other than storm water (such as equipment or vehicle wash-water) into	
TODY STATUS (Co to Section IX if not applicable)	
SECTION VIII. REGULATORY STATUS (Go to Section IX if not applicable)	IPDES PÉRMIT CA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
A WASTE DISCHARGE REQUIREMENT ORDER NUMBER:	
SECTION IX. SITE MAP	
I HAVE ENCLOSED A SITE MAP YES[] A new NOI submitted without a site map	will be rejected.
SECTION X. CERTIFICATION	ion and supervision in accordance with a system designed to
"I certify under penalty of law that this document and all attachments were prepared under my directive assure that qualified personnel property gather and evaluate the information submitted. Based on my those persons directly responsible for gathering the information, the information submitted is, to the those persons directly responsible for gathering the information, including the possibility and aware that there are significant penalties for submitting false information, including the possibility provisions of the permit, including the development and implementation of a Storm Water Pollution Formation with."	pest of thy knowledge and belief deep to certify that the
Printed Name: BILL LUCYSHNER	pets 4/28/2023
Sitt 11	_ Date
Title: REGUNAL ENVIRONMENTAL MANA	GEK

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STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2001-2002 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

OA NION X SO

Reporting Period July 1, 2001 through June 30, 2002

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov/stormwtr/industrial.html

REGIONAL BOARD INFORMATION:

)S ANGELES REGIONAL WATER BOARD 5-20 W. 4TH STREET, STE 200 LOS ANGELES, CA 90013

SUMAIRA NOREEN Tel: (213) 576-1369

E-mail: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 Laurel Canyon Blvd North Hollywood, CA 91605-3711

Facility WDID No:

4 19S002767

B. Facility Operator Information:

Contact Person:

MR. GEORGE COSBY PETER CHIO

MR. GEORGE COSDY PETER CHIU

Tel: (323) 258-2777

Tel: (323) 258-2777

CALMAT CO

3200 N San Fernando Rd

Los Angeles, CA 90065-1415

C. Facility Information:

Contact Person:

Mailing Address:

HEWITT LANDFILL (CLOSED)

7361 Laurel Canyon Blvd

North Hollywood; CA 91605-3711

SIC Code(s):

4953

Refuse Systems

Additional Table D Parameters: Fe

(Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)

2 JEN 10 TO HE

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD 2002-2003 ANNUAL REPORT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2002 through June 30, 2003

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

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REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 320 W. 4TH STREET, STE 200 LOS ANGELES, CA 90013

SUMAIRA NOREEN Tel: (213) 576-1369

Email: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

Facility WDID No: 419S002767

B. Facility Operator Information:

Contact Person:

DANZELLER BILL WOYSHUER

Tel: (323) 258-2777

CALMAT CO

3200 SAN FERNANDO BLVD

LOS ANGELES, CA 90065

C. Facility Information:

Contact Person:

Mailing Address:

MR. GEORGE COSBY BILL WOYSH NER

Tel: (323) 258-2777

HEWITT LANDFILL (CLOSED)

7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

3200 SAN FERNANDO RP.

LOS ANGELES CA 90065

SIC Code(s):

4953 Refuse Systems
4225 SELF STORAGE
4953 CLOSED LANDRILL

Additional Table D Parameters: Fe

(Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)





Western Division

April 29, 2003

State Water Resources Control Board Division of Water Quality Attn: Storm Water Section P.O. Box 1977 Sacramento, CA 95812-1977

Ref:

Notice of Intent

(Change of Information)

Dear Sir or Madam:

Please find enclosed Notice of Intent forms requesting change of information for the following facilities:

WDID #419S002249 9436 Glenoaks Blvd. Sun Valley, CA 91352 WDID #419S002767 7361 Laurel Canyon Blvd. North Hollywood, CA 91605-3711

WDID #419S002247
9100 Laural Canyon Blvd.
Sun Valley, CA 91352

WDID #419S002241 11401 W. Tuxford St. Sun Valley, CA 91352

WDID #419S016141 8960 Bradley St. Sun Valley, CA 91352

Bill Woyshner,

Respectfully,

Regional Environmental Manager

Cc Jerry Lindaman
Bill Bennet
Jeff Mack (LA Region 4)

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

E.

SA	MPLING ,	AND A	NALYSIS EXE	MPTIONS AND	REDUCTIONS	<u>}</u>		
1.	For the accorda	reportir ince wit	ng period, was th sections B.1	your facility exe 2 or 15 of the G	empt from collect eneral Permit?	cting and	analyzi	ng samples from two storm events in
		'ES	Go to Item D	.2		\boxtimes	NO	Go to Section E
2.	Indicate copy of	the rea	ason your facili t page of the a	ty is exempt from opropriate certif	d analyzi neck boxe	ng sam _l es ii, iii,	oles from two storm events. Attach a iv, or v.	
	i. 🔲	Parti	cipating in an A	Approved Group	Monitoring Pla	an	Group	Name:
	ii.	Subr	nitted No Expo	sure Certificat	ion (NEC)		Date S	Submitted:/
		Re-e	valuation Date	: <u> </u>	_			
		Does	s facility continu	ue to satisfy NE	C conditions?		YES	□ NO
	iii.	Subn	nitted Sampli n	g Reduction C	ertification (SI	RC)	Date 9	Submitted:/
		Re-e	valuation Date					
		Does	facility continu	ie to satisfy SR	C conditions?		YES	□ NO
	iv.	Rece	ived Regional	Board Certificat	ion		Certifi	cation Date://
	v	Rece	vived Local Age	ency Certification	n		Cetific	ation Date://
3.	lf you ob	ا مادما	haven to a more					
٥.	ii you cii	ieckeu	boxes for iii at	ove, were you	scheduled to sa	ample on	e storm	event during the reporting year?
	LJ Y	'ES	Go to Section	ıΕ			NO	Go to Section F
4.	If you ch	necked	boxes ii, iv, or	v, go to Section	F.			
SAN	MPLING AI	ND AN	ALYSIS RESU	_TS				
1.	How mai	ny stori	m events did yo	ou sample?		item D.2	2.i or iii.,	ttach explanation (if you checked above, only attach explanation if you offwhorf
2.	Did you o	collect : ed facili	storm water sa ty operating ho	mples from the urs? (Section B	first storm of th	e wet sea ral Permit	ason tha	at produced a discharge during
	\boxtimes	YES					NO,	attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)
3.	How mar	ny storr	n water discha	rge locations ar	e at your facilit	v?	1	

4.	For each storm event sampled, did you collect and analyze a sample from each of the facility's' storm water discharge locations?	YES, go to Item E.6
5.	Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit?	YES NO, attach explanation
	If "YES", attach documentation supporting your determination that two or more drainage areas are substantially identical.	
	Date facility's drainage areas were last evaluated//	
6.	Were <u>all</u> samples collected during the first hour of discharge?	YES NO, attach explanation
7.	Was <u>all</u> storm water sampling preceded by three (3) working days without a storm water discharge?	YES NO, attach explanation
8.	Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond)	YES NO, go to Item E.10
9.	Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above)	YES NO, attach explanation
10.	Section B.5. of the General Permit requires you to analyze storm wa Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and storm water discharges in significant quantities, and analytical para	Grease (O&G), other pollutants likely to be present in
	a. Does Table D contain any additional parameters related to your facility's SIC code(s)?	YES NO, Go to Item E.11
	b. Did you analyze all storm water samples for the applicable parameters listed in Table D?	YES NO
	c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:	
	ln prior sampling years, the parameter(s) have not be consecutive sampling events. Attach explanation	een detected in significant quantities from two
	The parameter(s) is not likely to be present in storm discharges in significant quantities based upon the	
	Other. Attach explanation	
11.	For each storm event sampled, attach a copy of the laboratory anal results using Form 1 or its equivalent. The following must be provided	
		Testing results. Test methods used.

Parameters tested.

Name of analytical testing laboratory. Discharge location identification.

Test detection limits.

F. QUARTERLY VISUAL OBSERVATIONS

1.	 Authorized Non-Storm Water Discharges Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources. 							
		a.	Do authorized non-storm water discharges occur at your facility?					
			YES NO Go to Item F.2					
		b.	Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers . Indicate "N/A" for quarters without any authorized non-storm water discharges.					
			July -September YES NO N/A October-December YES NO N/A					
			January-March YES NO N/A April-June YES NO N/A					
		c.	Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information.					
			 i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date. 					
	 Unauthorized Non-Storm Water Discharges Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. 							
		a.	Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers.					
			July -September X YES NO October-December X YES NO					
			January-March X YES NO April-June X YES NO					
		b.	Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?					
			YES NO Go to item F.2.d					
		C.	Have each of the unauthorized non-storm water discharges been eliminated or permitted?					
			YES NO Attach explanation					
		d.	Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.					
			 i. name of each unauthorized non-storm water discharge. ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated. 					

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge

				charge locations du he case of tempora					
	1.	locations. Att	t <mark>ach an expla</mark> occurred duri	nthly visual observa nation for any "NO ng scheduled facilit name and title of th	O" answ y operati	ers. Include in ing hours that d	this explanat id not result i	ion whethe n a storm w	r any eligible ater discharge,
		0-4-5	YES	NO		Fobruary	YES	N	0
		October	\boxtimes			February	\boxtimes	L	
		November	\boxtimes			March	\boxtimes		
		December	\boxtimes			April	\boxtimes	<u></u>	
		January	\boxtimes			May			
	2.	·	-	on visual observatio	ns using	Form 4 or pro	vide the follov	ving informa	ation.
		b. name c. charac d. an y ne	and title of ob eteristics of the ew or revised	tion of observation server e discharge (i.e., oc BMPs necessary to sed BMP implemen	reduce	or prevent pollu	rce of any pol utants in storn	lutants obso n water disc	erved. charges.
ΝN	IUAL C	OMPREHENS	SIVE SITE CO	OMPLIANCE EVA	ALUATI	ON (ACSCE)			
•	ACSCE	CHECKLIST							
	June 30 be revis steps n	0). Evaluations sed and implem	must be cond ented, as nec nplete a ACS	quires the facility of flucted within 8-16 m lessary, within 90 di CE. Indicate wheth	nonths o ays of th	f each other. T e evaluation. T	he SWPPP a he checklist l	nd monitori pelow includ	ng program shall des the minimum
	1. H	ave you inspect	ted all potentia	al pollutant sources inopostod:	and ind	ustrial activities	areas?	YES	NO
	•	the last year outdoor was process/mar loading, unlo waste storag dust/particul erosion area	. h and rinse are nufacturing are pading, and tra ge/disposal are ate generating ss.	eas. ansfer areas. ——— eas. g areas.		 material s vehicle/ec truck park rooftop ec vehicle fu non-storm 	epair, remode torage areas quipment stora ing and acces quipment area eling/mainten n water discha	age areas ss areas s ance areas	
	p	otential pollutan	nt sources and	PP to assure that its I industrial activities	areas?		\trianglerighteq	J YES	NO NO
	3. H	ave you inspec up-to-date? T	ted the entire he following s	facility to verify that ite map items shoul	t the SW ld be vei	PPP's site maprified:), <u> </u>	YES	□ NO
	•			drainage areas	•	storm water dis storm water co structural conti berms, contain	llection and c rol measures	onveyance such as cat	ch basins,
	4 1	lava vav raviov	ed all Capara	l Permit compliance	n rocard	c generated			

since the last annual evaluation?

ON

	The following records should be reviewed:				
	 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	•	quarterly unauthor water discharge vi Sampling and Ana preventative maint and maintenance	sual observation llysis records tenance inspect	
5.	Have you reviewed the major elements of the SWPPP to compliance with the General Permit?	assui	re	YES	NO NO
	The following SWPPP items should be reviewed:				
	 pollution prevention team list of significant materials description of potential pollutant sources 	•	assessment of po identification and implemented for e	description of th	e BMPs to be
6.	Have you reviewed your SWPPP to assure that a) the BM in reducing or preventing pollutants in storm water discharges, and b) the BMPs are being it	arges	and authorized	∑ YES	NO
	The following BMP categories should be reviewed:				
	 good housekeeping practices spill response employee training erosion control quality assurance 	•	preventative mai material handling waste handling/s structural BMPs	g and storage pr	actices
7.	Has all material handling equipment and equipment need implement the SWPPP been inspected?	ded to)	∑ YES	NO
ACS	SCE EVALUATION REPORT				
The	facility operator is required to provide an evaluation report	t that	includes:		, seeming
•	identification of personnel performing the evaluation the date(s) of the evaluation	•	schedule for imp any incidents of		PP revisions and the corrective
Use	Form 5 to report the results of your evaluation or develop	an e	quivalent form.		
<u>AC</u> :	SCE CERTIFICATION				
The cer	e facility operator is required to certify compliance with the lifty compliance, both the SWPPP and Monitoring Program	Indus must	trial Activities Storr be up to date and	n Water Genera be fully impleme	l Permit. To ented.
Bas Act	sed upon your ACSCE, do you certify compliance with the livities Storm Water General Permit?	Indus	trial 🔀 Y	ES] NO
If ye	ou answered "NO" attach an explanation to the ACSCE Enpliance with the Industrial Activities Storm Water General	Evalua Perm	ition Report why yo iit.	ou are not in	

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J.

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be atta Applicable) to questions 2-4 if you are not required to provide those at	ached to this annual tachments.	report. Answer	NA (Not
1. Have you attached Forms 1,2,3,4, and 5 or their equivalent?	XES (Ma	andatory)	
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports?	X YES	☐ NO	☐ NA
3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	YES	NO NO	⋈ NA
 Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? 	YES	☐ NO	☐ NA
ANNUAL REPORT CERTIFICATION			
I am duly authorized to sign reports required by the INDUSTRIA PERMIT (see Standard Provision C.9) and I certify under penal were prepared under my direction or supervision in accordance personnel properly gather and evaluate the information submitt who manage the system, or those person directly responsible for submitted is, to the best of my knowledge and belief, true, accusing significant penalties for submitting false information, including the violations.	Ity of law that this of with a system deserted. Based on my for gathering the increase and complete	document and a signed to ensur inquiry of the potention, the in the same that a significant that the same that the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same are the same	all attachments te that qualified erson or persons nformation hat there are
Printed Name: PETER CHIU			
Signature:		Date: Ju	ne 7,2002
Title: MANAGER, ENVIRONMEN	TAL AFFA	IRS	

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDS)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
 - Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
 - Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: JULY-SEPT 01	Observers Name: PETER CHILL	WERE UNAUTHORIZED	\	If YES to either
DATE/TIME OF OBSERVATIONS	Title: Marsoff	NSWDs OBSERVED?	□ YES X NO	question, complete
7.10.0/ 10:00 DM PM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES XNO	reverse slde.
QUARTER: OCT-DEC 01	Observers Name: PTGR CHIUL	WERE UNAUTHORIZED	`	If YES to
DATE/TIME OF OBSERVATIONS	Title: Moracac	NSWDs OBSERVED?	□ YES (□ YES	question, complete
1/260/9:00 X AM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES KINO	reverse side.
QUARTER: JAN-MARCH 02	Observers Name: PEER CHIU	WERE UNAUTHORIZED	\	If YES to either
DATE/TIME OF OBSERVATIONS	Tillo. Market	NSWDs OBSERVED?	TYES XNO	question, complete
3 18/ 02 8:00 A AM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES ANO	reverse side.
QUARTER: APRIL-JUNE 02	Observers Name: TETER CHIUL	WERE UNAUTHORIZED	,	If YES to either
DATE/TIME OF OBSERVATIONS	The Man (H. E.	NSWDs OBSERVED?	TYES ANO	question,
(10,02,900 D PM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	□YES ANO	reverse side.

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES 200° '2 ANNUAL ..c.PORT

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
 - Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge. Indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

Observation Date: October $\overline{3/}$ 2001	Drainage Location Description	#1 NONE	7#	2	
Observers Name: PTER CHIM	ori:T rational	 P.M.	 DC A.M.	 D P.M.	: D.M.
Title: Mando El	Ubservation Time	 P.M. A.M.	 P.M.	: D.M.	:
Signature:	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO
			C _H	C#	#4
Observation Date: November $\cancel{\mathcal{L}}$ 2001	Drainage Location Description	#1 No DiscHAGE	7#		
Observers Name: KFER CHW	Observation Time	3 :00 ID-M.	.: P.M.	: D A.M.	 A. P. M.
Title: Mangedon	Time Discharde Began		: D.M.	: P.M.	:. A P.M.
Signature: My	Were Pollutants Observed (if yes, complete reverse side)	YES NO D	YES NO	YES NO	YES NO
			Q.	C#	V#
Observation Date: December $\frac{3}{2}$ 2001	Drainage Location Description	#1 Nove	7#	2	
Observers Name: 18 CHL	Observation Time	 DC	: D.M.	: P.M.	 DDD
Title Manages	Time Discharde Regan	 DC A.M.	.: DD P.M.	: A.M.	 N.A.
Signature: Alph	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO
			\\\	CF	7#
Observation Date: January $\overline{3}$ \int 2002	Dralnage Location Description	#1 NowT	7,4	#3	
Observers Name: PETER CHILL	Original Time	 D D	.: D P.M.	: A P.M.	.:
Title. Managen	Time Discharge Regan	 D. P. R. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M. S. M.	 A. M. M.	: P.M.	.: A.M.
Signature:	Were Pollutants Observed	YES NO	YES NO	YES NO	YES NO

2001-002

ANNU EPORT

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

Discharges of temporarily stored or contained storm water must be observed at the time of discharge. Indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
 - Visual observations must be conducted during the first hour of discharge

at all discharge locations.					
Observation Date: February $\widetilde{28}$ 2002	Drainage Locatlon Description	#1 NONE	#2	#3	#4
			Mal	Md L	M. L
Observers Name IETER + 10	CmiT collection				 P.W.
	COSEIVATION TIME		Mal	JA.	M. P.M.
Title: Title: Title:	Time Discharge Regan				.: A.M.
Signature:	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO
			7		
					11.4

		#1	#2	カ #	+7#	
Observation Date: March 2/ 2002	Drainage Location Description	NONTH				
Observers Name: Per Him	A The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	 D D P.M.	:. DC A.M.	: P.M.	 P.M. A.M.	
Title: Markeer	Observation time			P.M.	 P.M. A.M.	
	Time Discharge Began	: A:IVI:				
Signature: (APC)	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO	
			CF	7,7	7#	
2			7#) t		
Observation Date: April 2002	Drainage Location Description	March				
Petro Call			MaL		P.M.	
Observers Name: /c/c/	OwiT collon] [W.A.		
MANGERY.	COSCIVATION TITLE	J P.M.	P.M.	M. D	, i'd	
1100	Time Discharge Began		: 🔲 A.M.	: A.M.	¥	
Signature:	Were Pollutants Observed	YES NO	YES NO	YES NO	YES NO	
	ליים אמים יסובולונוסי יסטל בו					

Observation Date: May 20 2002	Drainage Location Description	#1 DiscHorge	#2	#3	#4
Observers Name: Porth CHIU		M. G. D. M.	∏. M. A.	D.M.	M. A.
Marine	Observation Time	A.M.] [. W.d
Title: 17/1/10 GG	Time Discharge Began	A.M.	: A.M.	 A.M.	:.
Signature: (CMM)	Were Pollutants Observed (If yes, complete reverse side)	YES NO	YES NO	YES NO	YES NO

ANNU REPORT

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION

2
02
15
10
EVALUATION DATE;

INSPECTOR NAME: Peter L. Chiu

TITLE: MANAGER

R SIGNATURE:

Stall

Describe additional/revised BMPs or corrective actions and their date(s) of implementation NONE		Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of Implementation	
Describe deficiencies in BMPs or BMP Implementation NONE		Describe deficiencles in BMPs or BMP Implementation		Describe deficiencles in BMPs or BMP implementation		Describe deficiencies In BMPs or BMP implementation	
If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NO NO	YES No) S S	Ves No	S S) Se
HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix Storage. Maintenance Area	Return Concrete, RAP, Parking Area	POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	·



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Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)323-2777 Attention: Peter Chui

Number of Pages 14

Date Received 12/21/2001

Date Reported 01/08/2002

Job Number	Order Date	- Client
20687	12/21/2001	VULCAN

Project ID:

ROUND#1 2001-2002

Project Name: Storm Water Monitoring

Calmat Self Storage

Hewitt

Enclosed please find results of analyses of 1 storm water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Cyrus Razmara, Ph.D. Laboratory Director

CHAIN OF CUSTODY L. CORD

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SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	6H CON 046	META) (1) (0) (108	02	Bur bank, Ca.	
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CUSTODY SEALS Y / N / (NA		SAMPLE	SAMPLES INTACT (Y/N/NA	N/NA	Print	Printed Name Coll	Metale	Printed Name;		Pripled Name;	
PECEIVED IN GOOD COND.	N (X)	SAMPLE	SAMPLES ACCEPTED(Y / N	N/Y)	Date	Date: 12-21-01	Time: 1150	Date:	Time;	Date; Time;	Ī
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FISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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ANALYTICAL RESULTS

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Vulcan Materials Co.	
3200 San Fernando Road	
Los Angeles, CA 90065	

S	i	t	e
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Calmat :	Self Sto	orage		
Hewitt				
			117	

Telephone: (323)323-2777 Attn: Peter Chui

Page:

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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
20687	12/21/2001	VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 12252001/12252001

Our Lab I.D.				AE107600		
Client Sample I.D.			Method Blank	OF-001		
Date Sampled			12/21/2001	12/21/2001		
Date Prepared			12/25/2001	12/25/2001		
Preparation Method			5030B	5030B		
Date Analyzed			12/25/2001	12/25/2001		
Matrix			Aqueous	Aqueous		
Units			ug/L	ug/L		
ution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzene	0.25	0.50	ND	ND		
Ethylbenzene	0.25	0.50	ND	ND		
Toluene (Methyl benzene)	0.25	0.50	ND	ND		
Xylenes (Total)	0.50	1.00	ND	ND		
Methyl-tert-butyl ether (MTBE)	0.50	1.00	ND	7.0		
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	ND		

Our Lab I.D.			AE107600	-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Surrogates	Con.Limit	% Rec.	% Rec.	
Bromofluorobenzene	75-125	114	114	
Trifluorotoluene	75-125	121	121	



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Site

Calmat	Self Storage	
Hewitt		

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Los Angeles, CA 90065

Page:

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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

	20	687		12/	2

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AETL Job Number Submitted Client
20687 12/21/2001 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 12272001/12272001

Our Lab I.D.				AE107600		
Client Sample I.D.			Method Blank	OF-001		
Date Sampled			12/21/2001	12/21/2001		
Date Prepared			12/27/2001	12/27/2001		
Preparation Method			3510C	3510C		
Date Analyzed			12/27/2001	12/27/2001		
Matrix			Aqueous	Aqueous		
Units			mg/L	mg/L		
ution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C12-C23)	0.1	0.5	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND		
TPH Total as Diesel and Heavy HC.C12-C40	0.1	0.5	ND	ND		

Our Lab I.D.			AE107600		
Surrogates	Con.Limit	% Rec.	% Rec.		
Chlorobenzene	75-125	94	116		,



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Page

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Project ID:

ROUND#1 2001-2002

Site

Calmat Self Storage Hewitt

AETL Job Number Submitted Client

Project Name: Storm	Water	20687	12/	VULCAN					
Our Lab I.D.							N/A	AE107600	
Client Sample I.D.				i			Method Blank	OF-001	
Date Sampled							12/21/2001	12/21/2001	
Matrix			***************************************				Aqueous	Aqueous	
Analytes	D.F.	Method	Units	MDL	PQL	Analyzed	Results	Results	
Specific conductance	1	120.1	umhos/cm	5.0	10.0	12/27/2001	ND	234	
рН	1	150.1	pH unit	0.01	0.01	12/21/2002	NA	7.03	
Total Suspended Solids (TSS)	1	160.2	mg/L	5.0	10.0	12/21/2001	ND	21	
Oil and Grease	1	1664	mg/L	0.5	1.0	01/02/2002	ND	ND	
*cium	1	200.7	mg/L	0.25	0.50	12/27/2001	ND	29.0	
D _E	1	200.7	mg/L	0.05	0.10	12/27/2001	ND	ND	
Nickel	1	200.7	mg/L	0.01	0.05	12/27/2001	ND	0.02J	
Sodium	1	200.7	mg/L	0.25	0.50	12/27/2001	ND	7.61	
Zinc	1	200.7	mg/L	0.01	0.05	12/27/2001	ND	0.08	
Chloride	1	325.3	mg/L	0.5	1.0	01/02/2002	ND	10	
Biochemical Oxygen Demand	1	. 405.1	mg/L	5.0	5.0	12/26/2001	ND	14	
(BOD)									
Chemical Oxygen Demand	1	410.4	mg/L	5.0	10.0	12/26/2001	ND	52	



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ANALYTICAL RESULTS

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Attn:

Peter Chui

Page:

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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
20687	12/21/2001	VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 12272001 / 12272001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	,	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
Specific conductance	66,600	66,400	<1	<15	141.30	139.89	99	80-120		



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ANALYTICAL RESULTS

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S	i	t	е

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Page:

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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
20687	12/21/2001	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 12212001/12212001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
рН	6.77	6.79	<1	<15	7.00	7.00	100	80-120	



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ANALYTICAL RESULTS

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Calmat S	elf:	Sto	age	ं
	153			ú

Hewitt

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Page:

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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	- Client
20687	12/21/2001	VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 12212001/12212001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Total Suspended Solids (TSS)	ND	ND	<1	<15	100.00	94.00	94	80-120	



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ANALYTICAL RESULTS

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Los Angeles, CA 90065	

Site	
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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
20687	12/21/2001	VULCAN

Method: 1664, Oil and Grease, Gravimetric

QUALITY CONTROL REPORT

QC Batch Number: 01022002/01022002

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Oil and Grease	10.00	9.70	97	80-120			· ·



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ANALYTICAL RESULTS

Order	ed	Ву

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065 Site

Calmat Self	Storage	
Hewitt		

Telephone: (323)323-2777 Attn: Peter Chui

Page:

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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
20687	12/21/2001	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 12262001/12262001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Calcium	1.00	1.09	109	1.00	1.10	110	<1	80-120	<15	
Lead	1.00	1.00	100	1.00	1.01	101	<1	80-120	<15	
Nickel	1.00	1.04	104	1.00	1.05	105	<1	80-120	<15	
Sodium	1.00	1.07	107	1.00	1.08	108	<1	80-120	<15	
10	1.00	1.00	100	1.00	1.01	101	<1	80-120	<15	

QC Batch Number: 12262001/12262001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Calcium	1.00	1.09	109	80-120			
Lead	1.00	1.00	100	80-120			
Nickel	1.00	1.04	104	80-120			
Sodium	1.00	1.07	107	80-120			
Zinc	1.00	1.02	102	80-120			



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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
20687	12/21/2001	VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 01022002/01022002

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chloride	20.00	20.00	100	20.00	19.00	95	5.1	80-120	<15	

OC Batch Number: 01022002/01022002

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chloride	745	745	<1	<15	20.00	20.00	100	80-120	



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ANALYTICAL RESULTS

Ordered By	0:	rd	er	ed	Ву
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Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065

Calmat Self Storage

Hewitt

Telephone: (323)323-2777 Peter Chui Attn:

Page:

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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

Client AETL Job Number Submitted 12/21/2001 VULCAN 20687

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 12212001/12212001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Biochemical Oxygen Demand (BOD)	14	13	7.4	<15	200.00	184.00		80-120	ì



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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	-Submitted -	Client
20687	12/21/2001	VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 12262001/12262001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chemical Oxygen Demand	50.00	47.50	95	50.00	48.00	96	1.0	80-120	<15	

OC Batch Number: 12262001/12262001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chemical Oxygen Demand	120	119	<1	<15	50.00	49.50	99	80-120	



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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client								
20687	12/21/2001	VULCAN								

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QUALITY CONTROL REPORT

QC Batch Number: 12252001/12252001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Benzene	50.00	40.50	81	50.00	40.50	81	<1	75-125	<20	
Ethylbenzene	50.00	48.00	96	50.00	47.00	94	2.1	75-125	<20	
Toluene (Methyl benzene)	50.00	49.00	98	50.00	48.00	. 96	2.0	75-125	<20	
, cs										·
ylene	50.00	49.00	98	50.00	48.00	96	2.0	75-125	<20	
m,p-Xylenes	100.00	84.00	84	100.00	83.00	83	1.2	75-125	<20	

QC Batch Number: 12252001/12252001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Benzene	50.00	40.50	81	75-125			
Ethylbenzene	50.00	47.00	94	75-125			<u> </u>
Toluene (Methyl benzene)	50.00	48.50	97	75-125			
LCS							Page 1
o-Xylene	50.00	48.00	96	75-125			
m,p-Xylenes	100.00	83.00	83	75-125			<u> </u>



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ANALYTICAL RESULTS

Ordered	Ву			 					
Vulcan Mate	erials Co).	F	rigina Vel	lud Gale	#8.	.4)13 -:00		
3200 San Fe	mando	Road	- " <i>></i>	4.1	(N.	발근당	. 3.T	¥ .	i i

S	it∈	9
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Calmat Self Storage	Telegraphic Telegraphic	
Hewitt		
발표 왕의 발발		

Telephone: (323)323-2777 Attn: Peter Chui

Los Angeles, CA 90065

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Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

AETL Job Number	Submitted	Client
20687	12/21/2001	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 12272001/12272001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Diesel (C12-C23)	25.00	25.00	100	25.00	25.00	100	<1	75-125	<20	

OC Batch Number: 12272001/12272001

Š		LCS	LCS	LCS	LCS/LCSD			
	まして、3を1点がかり ものできます。これでは、これでは、3を1を2を1を1を1を1を1を1を1を1を1を1を1を1を1を1を1を1を1を	Concen	Recov	% REC	% Limit			
l	TPH as Diesel (C12-C23)	25.00	24.50	98	1			



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method,

and each compound. It indicates a distinctively detectable quantity with 99% probability.

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recovered concentration in the sample.

RPD: Relative Percent Difference

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2000-2001 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2000 through June 30, 2001

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

OS ANGELES REGIONAL WATER BOARD _0 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

DAN RADULESCU (213) 576-6668

E-mail: dradules@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

Facility WDID No:

4 19S002767

B. Facility Operator Information:

CALMAT CO

Contact Person:

3200 SAN FERNANDO BLVD.

MR. GEORGE COSBY PETER CHIL

(323) 258-2777

LOS ANGELES, CA 90065

C. Facility Information:

Contact Person:

Mailing Address: HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD.

MR. GEORGE COSBY PETER CHIU (323) 258-2777

LOS ANGELES, CA 91605

SIC Code(s):

4953

Refuse Systems

Additional Table D Parameters: Fe

Waste Discharge Order No:

(Hazardous Waste Facilities, see Table D, Sector K of the Permit)

4000-200 I

ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D.	SAI	MPLING A	AND AN	ALYSIS EXEMP	HONS AND REL	DUCTIONS			
	1.	For the raccordar	eporting nce with	g period, was you sections B.12 o	or facility exempt or 15 of the Gener	from collecti ral Permit?	ng and a	analyzir	ng samples from two storm events in
		☐ Y	ES	Go to Item D.2			\bowtie	NO	Go to Section E
	2.	Indicate copy of t	the reas he first	son your facility is page of the appr	s exempt from co opriate certificati	ollecting and on if you che	analyzir ck boxe	ng samp s ii, iii, i	oles from two storm events. Attach a v, or v.
		i. 🔲	Partici	ipating in an App	roved Group Mo	nitoring Plan		Group	Name:
		ii.	Subm	itted No Exposu	re Certification	(NEC)		Date S	Submitted:/
			Re-ev	aluation Date: _	1 1				
			Does	facility continue t	o satisfy NEC co	onditions?		YES	□ NO
		iii.	Submi	itted Sampling F	Reduction Certif	ication (SR	C)	Date S	Submitted:
			Re-ev	aluation Date: _					
			Does	facility continue t	o satisfy SRC co	enditions?		YES	NO
		iv.	Receiv	ved Regional Bo	ard Certification			Certifi	cation Date:
		v	Receiv	ved Local Agenc	y Certification			Cetific	cation Date:/
	3.	If you ch	ecked b	oxes i or iii abov	e, were you sche	eduled to sar	mple on	e storm	event during the reporting year?
		Y	ES	Go to Section E				NO	Go to Section F
	4.	If you ch	ecked b	oxes ii, iv, or v, ç	go to Section F.				
E.	SAM	IPLING AI	ND ANA	LYSIS RESULT:	<u>S</u>				
	1.	How mar	ny storm	n events did you	sample? _			2.i or iii.	attach explanation (if you checked above, only attach explanation if you
	2.	Did you o	collect sed facility	torm water samp y operating hours	les from the first ? (Section B.5 c	storm of the	wet sea al Permit	ason th	at produced a discharge during
		\boxtimes	YES					NO,	attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)
	3.	How mar	ny storm	ı water discharge	locations are at	your facility	?		

4.	For e	each storm event sampled, did you collect and analyze a ple from each of the facilitys' storm water discharge locations?	YES, go to	o Item E.6	☐ NO
5.	Was with	sample collection or analysis reduced in accordance Section B.7.d of the General Permit?	YES	NO, atta	ch explanation
	If "Y that	ES", attach documentation supporting your determination two or more drainage areas are substantially identical.			
	Date	e facility's drainage areas were last evaluated//			
6.	Wer	re all samples collected during the first hour of discharge?	X YES	NO, atta	ach explanation
7.	Was	s <u>all</u> storm water sampling preceded by three (3) king days without a storm water discharge?	X YES	NO, att	ach explanation
8.	Wei tem	re there any discharges of stormwater that had been porarily stored or contained? (such as from a pond)	YES	NO, go	to Item E.10
9.	conta	you collect and analyze samples of temporarily stored or ained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above)	YES	NO, at	tach explanation
10.		ion B.5. of the General Permit requires you to analyze storm w cific Conductance (SC), Total Organic Carbon (TOC) or Oil and m water discharges in significant quantities, and analytical par	i Glease (Oag), o	ither politicality in	icily to be procent in
	a.	Does Table D contain any additional parameters related to your facility's SIC code(s)?	X YES	☐ NO, G	o to Item E.11
	b.	Did you analyze all storm water samples for the applicable parameters listed in Table D?	YES	NO NO	
	C.	If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:			
		In prior sampling years, the parameter(s) have not consecutive sampling events. Attach explanatio	been detected in	significant quanti	ties from two
		The parameter(s) is not likely to be present in stor discharges in significant quantities based upon the	m water discharge e facility operator's	es and authorized s evaluation. Atta	non-storm water ach explanation
		Other. Attach explanation			
11	. For	each storm event sampled, attach a copy of the laboratory an ults using Form 1 or its equivalent. The following must be pro	alytical reports and vided for each san	d report the samp	oling and analysis
	•	Date and time of sample collection Name and title of sampler. Parameters tested. Name of analytical testing laboratory. Discharge location identification.	Testing results. Test methods us Test detection li Date of testing. Copies of the la		al results.

F. QUARTERLY VISUAL OBSERVATIONS

1.

2.

Secti	orized Non-Storm Water Discharges on B.3.b of the General Permit requires quarterl arges and their sources.	y visual observ	ations of all aut	thorized non-	storm wa	ater
a.	Do authorized non-storm water discharges occ	ur at your facilit	y?			
	YES NO	Go to Item F.2				
b.	Indicate whether you visually observed all auth during the quarters when they were discharged "N/A" for quarters without any authorized non-s	l. Attach an ex	planation for			
	July -September YES NO N/A	Octob	er-December	YES	□ NO	□ N/A
	January-March YES NO N/A	April-	June	YES	□ NO	□ N/A
C.	Use Form 2 to report quarterly visual observation provide the following information.	ions of authoriz	ed non-storm w	vater dischar	ges or	
	 i. name of each authorized non-storm water ii. date and time of observation iii. source and location of each authorized no iv. characteristics of the discharge at its source v. name, title, and signature of observer vi. any new or revised BMPs necessary to redischarges. Provide new or revised BMP 	n-storm water of ce and impacte duce or preven	d drainage area	_		water
Sect	uthorized Non-Storm Water Discharges ion B.3.a of the General Permit requires quarter ence of unauthorized non-storm water discharge			ainage areas	to detec	at the
a.	Indicate whether you visually observed all drain storm water discharges and their sources. Att					non-
	July -September X YES NO	Octol	ber-December	X YES		NO
	January-March X YES NO	April-	June	X YES		NO
b.	Based upon the quarterly visual observations,	were any unau	thorized non-st	torm water di	scharges	detected?
	YES	NO NO	Go to item F.:	2.d		
C.	Have each of the unauthorized non-storm wa	ter discharges	been eliminate	d or permitte	d?	
	YES	NO NO	Attach explan	nation		
d.	Use Form 3 to report quarterly unauthorized following information.	non-storm wate	er discharge vis	sual observat	ions or p	rovide the
	 i. name of each unauthorized non-storm v ii. date and time of observation. iii. source and location of each unauthorized iv. characteristics of the discharge at its so v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate discharge and to clean impacted drainal discharge(s) was eliminated or schedule 	ed non-storm wource and impaininate the source ge areas. Prov	rater discharge cted drainage a ce of each una vide date unaut	area/discharg uthorized nor	n-storm v	water

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

	YEŞ	NO		YES	NO
October	X		February	\boxtimes	
November	X		March	\boxtimes	
December	\boxtimes		April	\boxtimes	
January	\boxtimes		May	\boxtimes	

- Report monthly wet season visual observations using Form 4 or provide the following information. 2.
 - date, time, and location of observation a.
 - name and title of observer b.
 - characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
 - any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

ACSCE CHECKLIST H.

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall nimum

step	evised and implemented, as necessary, within 90 days of the second second in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	the evaluation. The ch have performed each	ecklist below inclu step below. Attac	des the minir h an
1.	Have you inspected all potential pollutant sources and in The following areas should be inspected:	ndustrial activities area	s? 🔀 YES	☐ NO
	 areas where spills and leaks have occured during the last year. outdoor wash and rinse areas. process/manufacturing areas. loading, unloading, and transfer areas. waste storage/disposal areas. dust/particulate generating areas. erosion areas. 	 material storage vehicle/equipme truck parking ar rooftop equipme vehicle fueling/i 	ent storage areas nd access areas	s
2.	Have you reviewed your SWPPP to assure that its BMP potential pollutant sources and industrial activities areas		X YES	☐ NO
3.	Have you inspected the entire facility to verify that the S		X YES	☐ NO

- facility boundaries
 - outline of all storm water drainage areas

is up-to-date? The following site map items should be verified:

areas impacted by run-on

- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

	4.	Have you reviewed all General Permit compliance records since the last annual evaluation?	s gen	erated	\boxtimes	YES	NO
		The following records should be reviewed:					
		 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	•	water disch Sampling a preventativ	nauthorized r narge visual c and Analysis ve maintenan enance record	observatior records ce inspecti	
	5.	Have you reviewed the major elements of the SWPPP to compliance with the General Permit?	assu	re	\boxtimes	YES	NO NO
		The following SWPPP items should be reviewed:					
	6.	 pollution prevention team list of significant materials description of potential pollutant sources Have you reviewed your SWPPP to assure that a) the BN	• MPs a	identificati implement	ted for each p	iption of th	sources e BMPs to be ollutant source
	0.	in reducing or preventing pollutants in storm water discharges, and b) the BMPs are being	arges	and authori	zed	YES	NO
		The following BMP categories should be reviewed:					
		 good housekeeping practices spill response employee training erosion control quality assurance 	•	material I	tive maintena nandling and ndling/storag I BMPs	storage pr	actices
	7.	Has all material handling equipment and equipment nee implement the SWPPP been inspected?	ded t	0	\triangleright	YES	NO
1.	<u>AC</u>	SCE EVALUATION REPORT					
	The	e facility operator is required to provide an evaluation repor	t tha	t includes:			
	•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions	•				PP revisions and the corrective
	Us	e Form 5 to report the results of your evaluation or develop	o an	equivalent fo	orm.		
J.	<u>AC</u>	SCE CERTIFICATION					
	Th cer	e facility operator is required to certify compliance with the rtify compliance, both the SWPPP and Monitoring Program	Indu mus	strial Activiti t be up to d	es Storm Wa ate and be fu	iter Genera Ily implem	al Permit. To ented.
		used upon your ACSCE, do you certify compliance with the trivities Storm Water General Permit?	Indu	strial	X YES		Ои
		you answered "NO" attach an explanation to the ACSCE			rt why you ar	e not in	

ATTACHMENT SUMMARY

An Ap	iswer the questions below to help you determine what should be alta iplicable) to questions 2-4 if you are not required to provide those atta	achments.	ricport. Allawer	1000	
1.	Have you attached Forms 1,2,3,4, and 5 or their equivalent?	X YES (M	andatory)		
2.	If you conducted sampling and analysis, have you attached the laboratory analytical reports?	X YES	☐ NO	NA NA	
3.	If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	YES	NO NO	⊠ NA	
4.	Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	X YES	□ NO	☐ NA	
	NNUAL REPORT CERTIFICATION				
P W pr w si	am duly authorized to sign reports required by the INDUSTRIA ERMIT (see Standard Provision C.9) and I certify under penalt ere prepared under my direction or supervision in accordance ersonnel properly gather and evaluate the information submitted ho manage the system, or those person directly responsible for ubmitted is, to the best of my knowledge and belief, true, accurate gnificant penalties for submitting false information, including the nowing violations.	y of law that this with a system do do do do do do do do do do do do do	edocument and esigned to ensury inquiry of the proformation, the ten. I am aware	all attachments re that qualified person or persons information that there are	
Р	rinted Name: KETER CHIW			110 10 1	
S	ignature: Stad		Da <u>te: 6</u>	118/01	
Т	itle: MAHAGER, ENVIRONMENTER AFFE	HRS			
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Telephone: (323) 258-2777 Attention: Peter Chui

Number of Pages 16 Date Received 02/13/2001 Date Reported 02/26/2001

Job Number	Order Date	Client
17895	02/13/2001	VULCAN

Project Name: Hewitt Storm Water Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to

Checked By: De Sevilan Approved By: CRon

Cyrus Razmara, Ph.D.

Laboratory Director

CHAIN OF CUSTODY CORD

erican Environmental Testing Laboratory Inc.

th Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181	el: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840
t North Naon	(888) 288-A
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DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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Attn:

Peter Chui

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Project Name: Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Project Name: Hewitt St	orm water	pampiting	d d	L	1,050	1 /		
							AE89146	
Client Sample I.D.						Method Blank	Hewitt	
Date Sampled						02/13/2001	02/13/2001	
Matrix						Aqueous	Aqueous	
Analytes	Method	Units	MDL	PQL	Analyzed	Results	Results	
Specific conductance	120.1	umhos/cm	5 - 0	10.0	02/14/2001	ND	64	
рН	150.1	pH unit	0.01	0.01	02/13/2001	NA	7.53	
Total Suspended Solids (TSS)	160.2	mg/L	5.0	10.0	02/15/2001	ND	264	
Chloride	325.3	mg/L	0.5	1.0	02/19/2001	ND	4	



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---- Warma, Hewitt Storm Water Sampling

Submitted Client AETL Job Number 17895 02/13/2001 VULCAN

orn naccr	O 0P 12 - 2-2	J	L				
	H-1244-15-18					AE89146	
					Method Blank	Hewitt	
					02/13/2001	02/13/2001	
				_	Aqueous	Aqueous	
T		MDI	POL	Analyzed	Posulte	Paguilte	550124172473
Method	Units	MIDL	14 20 32 33 4 3 1 5		The first was the same of the	The Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co	(V 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2
405.1	mg/L	5.0	5.0	02/19/2001	ND		
410.4	mg/L	5.0	10.0	02/22/2001	ND	12	
EPA-1664	mg/L	0.5	1.0	02/14/2001	ND	3.3	
	Method 405.1 410.4	Method Units 405.1 mg/L 410.4 mg/L	405.1 mg/L 5.0 410.4 mg/L 5.0	Method Units MDL PQL 405.1 mg/L 5.0 5.0 410.4 mg/L 5.0 10.0	Method Units MDL PQL Analyzed 405.1 mg/L 5.0 5.0 02/19/2001 410.4 mg/L 5.0 10.0 02/22/2001	Method Blank 02/13/2001 Aqueous Aqueous Method Units MDL PQL Analyzed Results 405.1 mg/L 5.0 5.0 02/19/2001 ND 410.4 mg/L 5.0 10.0 02/22/2001 ND ND Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L Mg/L	Method Blank Hewitt 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous Aqueous



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777

Attn:

Peter Chui

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

Our Lab I.D.			AE89146			
Client Sample I.D.			Method Blank	Hewitt		
Date Sampled			02/13/2001	02/13/2001		
Date Prepared			02/22/2001	02/22/2001		
Preparation Method		3005A	3005A			
Date Analyzed		02/22/2001	02/22/2001			
Matrix		Aqueous	Aqueous			
Units	Units		mg/L	mg/L		
ilution Factor			1	1		100
Analytes	MDL	PQL	Results	Results		
Calcium	0.25	0.50	ND	10.0		
Lead	0.05	0.10	ND	0.09J		
Nickel	0.01	0.05	ND	0.02J		
Sodium	0.25	0.50	ND	3.14		
Zinc	0.01	0.05	ND	0.15		



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02132001/02132001

Our Lab I.D.				AE89146		
Client Sample I.D.			Method Blank	Hewitt		
Date Sampled			02/13/2001	02/13/2001		
Date Prepared			02/13/2001	02/13/2001		
Preparation Method			5030B	5030B		
Date Analyzed			02/13/2001	02/13/2001		
Matrix			Aqueous	Aqueous		
Units			ug/L	ug/L		
ilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzene	0.25	0.50	ND	ND		
Ethylbenzene	0.25	0.50	ND	ND		
Toluene (Methyl benzene)	0.25	0.50	ND	ND		
Xylenes (Total)	0.50	1.00	ND	ND		
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	ND		

Our Lab I.D.			AE89146		
Surrogates	Con.Limit	% Rec.	% Rec.		
Bromofluorobenzene	75-125	102	102		
Trifluorotoluene	75-125	96	100		



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02152001/02152001

V			1	T 8 3 49 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	are delicated to the	I was a second	
Our Lab I.D.				AE89146			
Client Sample I.D.			Method Blank	Hewitt			
Date Sampled			02/13/2001	02/13/2001			
Date Prepared			02/15/2001	02/15/2001			
Preparation Method			3510C	3510C			
Date Analyzed			02/15/2001	02/15/2001			
Matrix			Aqueous	Aqueous			
¹ Jnits			mg/L	mg/L			
ilution Factor			1	1.			
Analytes	MDL	PQL	Results	Results			
TPH as Diesel (C12-C23)	0.1	0.5	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C12-C40	0.1	0.5	ND	ND			

Our Lab I.D.			AE89146		
Surrogates	Con.Limit	% Rec.	% Rec.		
Chlorobenzene	 75-125	91	100		



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	-
Specific conductance	1,880	1,880	<1	<15	141.30	141.30	100	80-120	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02132001/02132001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
pH	7.53	7.51	<1	<15	7.00	7.07	101	80-120	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 02152001/02152001

-									 	t
	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD		
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
Total Suspended Solids (TSS)	956	976	2.1	<15	100.00	94.00	94	80-120		-



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02222001/02222001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Calcium	1.00	1.00	100	1.00	0.99	99	1.0	80-120	<15	
Lead	1.00	0.93	93	1.00	0.93	93	<1	80-120	<15	
Nickel	1.00	0.91	91	1.00	0.90	90	1.1	80-120	<15	
Sodium	1.00	0.96	96	1.00	0.97	97	1.0	80-120	<15	
,C	1.00	0.93	93	1.00	0.93	93	<1	80-120	<15	

QC Batch Number: 02222001/02222001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Calcium	1.00	1.00	100	80-120			
Lead	1.00	0.97	97	80-120			
Nickel	1.00	0.97	97	80-120			
Sodium	1.00	0.98	98	80-120			
Zinc	1.00	0.97	97	80-120			



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Attn:

Peter Chui

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02192001/02192001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	il the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the
Chloride	20.00	21.00	105	20.00	20.00	100	4.8	80-120	<15	

QC Batch Number: 02192001/02192001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chloride	55	55	<1	<15	20.00	20.00	100	80-120	



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777

Attn:

Peter Chui

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

QC Dateti 1.000	, 021 .20								
	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Biochemical Oxygen Demand (BOD)	ND	ND	<1	<15	36.00	33.12	92	80-120	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

											1
	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	ĺ	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit		
	100.00	108.00	108	100.00	104.00	104	3.7	80-120	<15		
Chemical Oxygen Demand			<u> </u>	1	L						

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD		ĺ
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
emical Oxygen Demand	5J	5J	<1	<15	100.00	109.00	109	80-120		i



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC QUALITY CONTROL REPORT

QC Batch Number: 02132001/02132001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Benzene	50.00	55.00	110	50.00	55.00	110	<1	75-125	<20	
Ethylbenzene	50.00	55.00	110	50.00	55.00	110	<1	75-125	<20	
Toluene (Methyl benzene)	50.00	53.00	106	50.00	54.00	108	1.8	75-125	<20	
cs										
\(\sqrt{ylene}\)	50.00	56.00	112	50.00	55.00	110	1.8	75-125	<20	
m,p-Xylenes	100.00	107.00	107	100.00	107.00	107	<1	75-125	<20	

QC Batch Number: 02132001/02132001

	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	% Limit				
Benzene	50.00	56.00	112	75-125				
Ethylbenzene	50.00	54.00	108	75-125				
Toluene (Methyl benzene)	50.00	53.00	106	75-125			 	
LCS								
o-Xylene	50.00	55.00	110	75-125				
m,p-Xylenes	100.00	105.00	105	75-125		1		



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: EPA-1664, Oil and Grease QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Oil and Grease	10.00	9.40	94	80-120			



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 02152001/02152001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Diesel (C12-C23)	25.00	25.25	101	25.00	25.50	102	<1	75-125	<20	

QC Batch Number: 02152001/02152001

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	LCS	LCS	LCS	LCS/LCSD		}				
Analytes	Concen	Recov	% REC	% Limit						
TPH as Diesel (C12-C23)	25.00	25.25	101	75-125					L	



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recovered concentration in the sample.

RPD: Relative Percent Difference



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Job Number	Order Date	Client
18086	03/05/2001	VULCAN

Project Name: Hewitt Storm Water Sampling

Site:

Hewitt

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: ____ Approved By: ____ Approved By: ____

Cyrus Razmara, Ph.D. Laboratory Director

CHAIN OF CUSTODY (CORD

erican Environmental Testing Laboratory Inc.

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17 54027 DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



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ANALYTICAL RESULTS

Ordered By

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Project Name: Hewitt Storm Water Sampling

Site

Hewitt

AETL Job Number	Submitted	Client
1 8 086	03/05/2001	VULCAN

Project Name: Hewitt St		18086	03/05/2001		VULCAN			
Our Lab I.D.		3. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		AE90419				
Client Sample I.D.		Method Blank	OF-001					
Date Sampled				······································		03/05/2001	03/05/2001	
Matrix						Aqueous	Aqueous	
Analytes	Method	Units	MDL	PQL	Analyzed	Results	Results	
Specific conductance	120.1	umhos/cm	5.0	10.0	03/05/2001	ND	68	
рН	150.1	pH unit	0.01	0.01	03/05/2001	NA	8.39	
Total Suspended Solids (TSS)	160.2	mg/L	5.0	10.0	03/09/2001	ND	762	
Calcium	200.7	mg/L	0.25	0.50	03/08/2001	ND	15.9	
ead	200.7	mg/L	0.05	0.10	03/08/2001	ND	0.24	
Nickel	200.7	mg/L	0.01	0.05	03/08/2001	ND	0.04J	
Sodium	200.7	mg/L	0.25	0.50	03/08/2001	ND	3.28	
Zinc	200.7	mg/L	0.01	0.05	03/08/2001	ND	0.27	
Chlonde	325.3	mg/L	0.5	1.0	03/09/2001	ND	2	
Biochemical Oxygen Demand (BOD)	405.1	mg/L	5.0	5.0	03/12/2001	ND	ND	
Chemical Oxygen Demand	410.4	mg/L	5.0	10.0	03/08/2001	ND	39	
Oil and Grease	EPA-1664	mg/L	0.5	1.0	03/05/2001	ND	4.0	



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ANALYTICAL RESULTS

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Peter Chui

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 03062001/03062001

Our Lab I.D.				AE90419		
Client Sample I.D.			Method Blank	OF-001	-	
Date Sampled			03/05/2001	03/05/2001		
Date Prepared			03/06/2001	03/06/2001		
Preparation Method			5030B	5030B		
Date Analyzed			03/06/2001	03/06/2001		
Matrix			Aqueous	Aqueous		
Units			ug/L	ug/L		
ilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzene	0.25	0.50	ND	ND		
Ethylbenzene	0.25	0.50	ND	0.5		
Toluene (Methyl benzene)	0.25	0.50	ND	1.6		
Xylenes (Total)	0.50	1.00	ND	2.8		
Methyl-tert-butyl ether (MTBE)	0.50	1.00	ND	ND		
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	10.7		

Our Lab I.D.				AE90419		
Surrogates	Con.Limit		% Rec.	% Rec.		
Bromofluorobenzene	75-125	· · · · · · · · · · · · · · · · · · ·	112	106		
Trifluorotoluene	75-125		98	100		



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site	
Hewitt	

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Project Name:

Hewitt Storm Water Sampling

AE	TL Job Number	Submitted	Client
	18086	03/05/2001	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 03082001/03082001

Our Lab I.D.				AE90419		
Client Sample I.D.			Method Blank	OF-001		
Date Sampled			03/05/2001	03/05/2001		
Date Prepared			03/08/2001	03/08/2001		
Preparation Method			3510C	3510C		
Date Analyzed			03/08/2001	03/08/2001		
Matrix			Aqueous	Aqueous		
Units			mg/L	mg/L		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C12-C23)	0.1	0.5	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND		
TPH Total as Diesel and Heavy HC.C12-C40	0.1	0.5	ND	ND		

Our Lab I.D.			AE90419		
Surrogates	Con.Limit	% Rec.	% Rec.		
Chlorobenzene	75-125	114	81		



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Hewitt				

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 03052001 / 03052001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Specific conductance	73	73	<1	<15	141.30	139.89	99	80-120	



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Hewitt
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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 03052001/03052001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
рН	6.28	6.26	<1	<15	7.00	7.00	100	80-120	



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Hewitt	
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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client		
18086	03/05/2001	VULCAN		

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 03092001/03092001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Total Suspended Solids (TSS)	24	24	<1	<15	100.00	103.00	103	80-120	



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ANALYTICAL RESULTS

Ord	er	ed	Βv
$O_{\perp} u$	-	-	,

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Hewitt	

Telephone: (323)258-2777

Attn:

Peter Chui

Page:

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit
Calcium	1.00	1.04	104	1.00	1.10	110	5.6	80-120	<15
Lead	1.00	0.99	99	1.00	0.99	99	<1	80-120	<15
Nickel	1.00	0.97	97	1.00	0.96	96	1.0	80-120	<15
Codium	1.00	0.97	97	1.00	1.02	102	5.0	80-120	<15
ac	1.00	0.98	98	1.00	0.97	97	1.0	80-120	<15

QC Batch Number: 03082001/03082001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			_
Calcium	1.00	1.01	101	80-120			
Lead	1.00	1.00	100	80-120			
Nickel	1.00	0.99	99	80-120			
Sodium	1.00	1.02	102	80-120			
Zinc	1.00	0.99	99	80-120			



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ANALYTICAL RESULTS

Ordered By

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Hewitt		

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Attn:

Peter Chui

Page:

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 03092001/03092001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chloride	20.00	20.60	103	20.00	19.60	98	4.9	80-120	<15	

QC Batch Number: 03092001/03092001

		SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD		1
1	Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
	Chloride	2	2	<1	<15	20.00	20.00	100	80-120		



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ANALYTICAL RESULTS

Ordered By			
Vulcan Materials CoCalmat D	Div.		
3200 San Fernando Road			
Los Angeles, CA 90065			

5100	
Hewitt	

Telephone: (323)258-2777 Attn:

Peter Chui

Page:

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

OUALITY CONTROL REPORT

QC Batch Number: 03072001/03072001

					 	 	T	
	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	% Limit				
Biochemical Oxygen Demand (BOD)	150.00	136.50	91	80-120				



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777

Attn:

Peter Chui

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chemical Oxygen Demand	50.00	46.50	93	50.00	46.00	92	1.0	80-120	<15	

QC Batch Number: 03082001/03082001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chemical Oxygen Demand	137	137	<1	<15	100.00	94.00	94	80-120	



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	i di							

Telephone: (323)258-2777

Attn:

Peter Chui

Page:

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

 $Method: 602/M8015G, Aromatic \ Volatile \ Organics, \ TPH \ Gasoline \ and \ Light \ HC \ by \ GC$

QUALITY CONTROL REPORT

QC Batch Number: 03062001 / 03062001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Benzene	50.00	43.00	86	50.00	46.00	92	6.7	75-125	<20	
Ethylbenzene	50.00	50.00	100	50.00	52.00	104	3.9	75-125	<20	
Toluene (Methyl benzene)	50.00	49.00	98	50.00	51.00	102	4.0	75-125	<20	
1 CS										
Kylene	50.00	52.00	104	50.00	54.00	108	3.7	75-125	<20	
m,p-Xylenes	100.00	96.00	96	100.00	99.00	99	3.0	75-125	<20	

QC Batch Number: 03062001 / 03062001

	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	% Limit				
Benzene	50.00	54.00	108	75-125				
Ethylbenzene	50.00	56.00	112	75-125				
Toluene (Methyl benzene)	50.00	55.00	110	75-125				
LCS								Park Have
o-Xylene	50.00	56.00	112	75-125				
m,p-Xylenes	100.00	106.00	106	75-125		1		



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ANALYTICAL RESULTS

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Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

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1123 211		
Hewitt		
시계하면 꽃이 만드라면데		

Telephone: (323)258-2777

Attn:

Peter Chui

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: EPA-1664, Oil and Grease QUALITY CONTROL REPORT

QC Batch Number: 03052001/03052001

					 +		 	T
	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	% Limit				
Oil and Grease	10.00	9.60	i	80-120		<u></u>		<u> </u>



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ANALYTICAL RESULTS

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Vulcan Materials Co,-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

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		근식된 시 한 상징설보다 한 것;	
	영국 보고 가입한테를		
The Art of \$4, 340.		리 2003년 10년 12일 전시 10년 12일 - 12일 12일 12일 12일 12일 12일 12일 12일 12일 12일	

Telephone: (323)258-2777 Attn: Peter Chui

Page:

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Diesel (C12-C23)	25.00	30.50	122	25.00	29.00	116	5.0	75-125	<20	

OC Batch Number: 03082001/03082001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
TPH as Diesel (C12-C23)	25.00	29.50	118	75-125			



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recovered concentration in the sample.

RPD: Relative Percent Difference



FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDS)

Unauthorized NSV/Ds are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.

Quarterly visual observations are required to observe current and detect prior unauthorized NSWOs.

Quarterly visual observations are required during dry weather and at all facility drainage areas.

Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.

Make additional copies of this form as necessary. with Section A.10.e of the General Permit.

QUARTER: JULY-SEPT OF				
DATETIME OF	Observers Name: The Man Janua	WERE UNAUTHORIZED		If YES to
OBSERVATIONS	THE: They may appear	NSWDS OBSERVED?	TYES DINO	eimer question,
#11007:30 DPM	Signatura:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDS7	. □YES □NO	complete reverse
QUARTER: OCT.DEC (NO				ri on
DATEITIME OF	Observers Name; Milliam Miller	WERE UNAUTHORIZED		If YES to
OBSERVATIONS	THUE: THE MANAGER	NSWDs OBSERVED?	TYES DAVO	either question,
11/1009:00 10 PM	Signature: Mys Hans	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWD\$7	VES □NO	complete
QUARTER: JAN-MARCHO!	0			3000
DATE/IME OF	Observers Name; Maha Mahan	WERE UNAUTHORIZED	•	If YES
OBSERVATIONS	THE THE THINGS WASKE	NSWD® OBSERVED?	TYES DANO	euner question,
200/ 5 M C PM	Synature, Then The	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWD67	\ \	complete reverse
QUARTER: APRILJUNE ()1	100/10			SIQ 6.
DATECTIME OF	Observers Name: All Maley	WERE UNAUTHORIZED		If YES to
ន	TILE: Last housesen	NSWDs OBSERVED?	TYES INVO	elmer question,
41101 6:30 1 PM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDS?	TYES LIND	complete
				Side

A AC "EPORT

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

Storm water discharge visual observations are required for at least one storm

Visual pagewations must be conducted during the first hauf of discharge at all discharge forations.

Discharges of temporarity stored or contained storm water must be observed at the time of discharge, indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

Observation Date: October	SALES AND AND AND AND AND AND AND AND AND AND	- 77			
Y			#2	#3	×#
Observers Name: Marile Comment	Drainage Location Description	NONE			I
					•
The thrifty age	Orservation Time	AM.	A.K.		
Signature.	Time Discharge Began	: DAM.	 70 P.W.		× C
	(If year, complete reverse side)	YES NO	YES NO	NEG 1	•
				ונ	YES [] NO []
Observation Date: November 1 2000		#	克	49	V#
Observary Mayne: Mortal Soften	Drainage Location Description	MONG			*
THE LATIN MANNESSEL	Observation Time	:		P.W.	40
Sinahire.	Time Discharge Began	N. a	₩		
	Were Poliutanta Closerved (If yes, cormolate reverse et e)	YES [] NO []			T D
	long with the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same	-	TES NO	YES 🗆 NO	YES NO
Observation Date: December 3		1#	#		
4	Drainage Location Description	Moure	7.4	芸	#4
Observers Name: MA-16 Malle					
The HANTIMPASS	Observation Time	; C AM.	 DE	 D P.W.	Tan I
Signature T. A. T.	Time Discharge Began	D P.W.	 F. A		
	were Policiants Observed (If yes, complete revense side)	YES 🗍 ND	1 8	YES NO	: :
0.0					
Observation Date: January 2 2001		#1	#2	E#	#A
Observes Nerne: MAN AWKIN	Drimage Location Description	NOWE			
THE DAY WAY	Observation Time	 A.K.	 DC	N. S. C.	
Simania A. L.	Tone Discharge Began	O C	3 3 3 D	P.M.	T P.
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ANNUAL RÉPORT .00-100

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

Storm water discharge visual abservations are required for at least one storm of per month between October 1 and May 31,

Visual observations must be canducted during the fast haur of discharge म शा ग्रास्ट्रीयमून रिट्यायम्

Discharges of temporarity stored or contained storm water must be observed at the time of discharge, indicate "None" in the find column of this form if you did not conduct a monthly visual observation.

Make additional copies of this form as necessary.

4		#1	£-	O.T.	
Time I see Legitagia		- / · × / V	į.	₹	##
Manage Name and Manage	ulango Location Description	NONE			
2	Observation Time		D P.M.	 	F
Leave Manyer	Time Dischange Began		 P.M.		
Signature:	Were Politrards Observed (If yes, complete reverse side)	YES NO	YES [] NO []		
				ן נ]
Observation Date; March		#1	#2	裁	V#
	Oralinage Location Description	Non			
UDSGWEIS NATHE: TOTAL WINGS	Observation Time	: P.W.	P.W.	B.G.	
31,	Time Dischange Began	: D A.W.		P.M.	
algnarure:	Were Polkdants Observed (If yes, complete reverse side)	YES NO	YES NO	1	YES-D NO D
Observation Date: April 2 2001		# / \ \ \ \ #	#2	£#3	#4
1 Sept 201	Drainage Location Description	1000			****
The Plane. All Maries	Observedon Time	P.W.	: P.W.	P.W.	
Shorter And I will be	Time Ofscharge Began	: DAW.	P. P. R.	P.M.	
Opinawie:	Were Poliumits Observed (If yes, complete reverse side)	YES 🗌 NO 📋	YES 🗆 NO	YES ON O	YES NO
		7.77			
Observation Date: May 77, 2001	í		#2	#3	#4
Discovers Name. My Market	Drainage Location Description	None			
The Plant Manage	Occervation Terne	: A.M.	 DD	: DD P.N.	
N. W. X	Thre Discharge Began	 		P.W.	
THE STREET OF THE STREET	Charles Dell' Harts Ober Daniel)	

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III yes, corredele inversa sida) Thme Discharge Began Were Pollutants Observed

2000-2001 ANNUAL REPORT

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION

EVALUATION DATE: 6 / 8 / 01 INSPECTOR NAME: Peter L. Chiu

Shiu TITLE;

TITLE: MANAGER

田田

SIGNATURE:

	Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation	
SIGNAL ONE:	Describe deficiencies in BMPs or BMP implementation NONE		Describe deficiencies in BMPs or BMP implementation		Describe deficiencies in BMPs or BMP implementation		Describe deficiencies in BMPs or BMP Implementation	
	If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form				If yes, to either question, complete the next two columns of this form	
	Ves No	No S	O.C.E.S		No No		S S S	S S
	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?
	SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix Storage, Maintenance Area	Return Concrete, RAP, Parking Area	POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	

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STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2000-2001 ANNUAL REPORT

\ FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2000 through June 30, 2001

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

S ANGELES REGIONAL WATER BOARD 520 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

DAN RADULESCU (213) 576-6668

E-mail:

dradules@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

Facility WDID No:

4 19S002767

B. Facility Operator Information:

CALMAT CO

Contact Person:

3200 SAN FERNANDO BLVD.

MR. GEORGE COSBY PETER CHIL

LOS ANGELES, CA 90065

(323) 258-2777

C. Facility Information:

Mailing Address:

HEWITT LANDFILL (CLOSED)

MR. GEORGE COSBY PETER CHIU

7361 LAUREL CANYON BLVD.

(323) 258-2777

Contact Person:

LOS ANGELES, CA 91605

SIC Code(s):

4953

Refuse Systems

Additional Table D Parameters: Fe

Waste Discharge Order No:

(Hazardous Waste Facilities, see Table D, Sector K of the Permit)

ZUUU-ZUU I **ANNUAL REPORT**

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D.	SAI	MPLING A	AND ANAL	YSIS EXEMPTI	ONS AND RED	<u>UCTIONS</u>						
	1.	For the raccordar	reporting pence with se	riod, was your ctions B.12 or	facility exempt f 15 of the Genera	rom collecti al Permit?	ng and a	analyzin	ig samples	from tw o	storm event	s in
		☐ YI	ES Go	to Item D.2			\boxtimes	NO	Go to S	ection E		
	2.	Indicate copy of t	the reason the first pag	your facility is e of the approp	exempt from col oriate certificatio	lecting and in if you che	analyzir ck boxe	ng samp s ii, iii, i	oles from to v, or v.	vo storm	events. Atta	ch a
		i. 🔲	Participat	ing in an Appro	oved Group Mon	itoring Plan		Group	Name: _			
		ii.			· Certification (NEC)		Date S	Submitted:			
				ation Date:	satisfy NEC cor	nditions?		YES		NO		
		iii.		d Sampling Re	duction Certific	cation (SRC	C)	Date S	Submitted:			
					satisfy SRC cor	nditions?		YES		NO		
	·	iv.	Received	Regional Boar	d Certification			Certifi	cation Date	e: <u></u>	1 1	
		v	Received	Local Agency	Certification			Cetific	ation Date	:		
	3.			es i or iii above to Section E	, were you sche	duled to sar	mple on	e storm NO		ng the re	porting year?	ı
	4.	If you ch	ecked boxe	es ii, iv, or v, go	to Section F.							
E.	SAM	1PLING AI	ND ANALY	SIS RESULTS								
	1.	How mar	ny storm ev	ents did you sa	ample?		If less that item D.2 answer	2.i or iii.	ittach exp above, on	lanation ly attach	(if you checke explanation if	ed f you
	2.	Did you o	collect storred facility of	n water sample perating hours?	es from the first of (Section B.5 of	storm of the f the Genera	e wet sea al Permi	ason tha t)	at produce	d a disch	arge during	
		\boxtimes	YES					NO,	you do not	sample the	η (Please note t first storm ever mple 2 storm ev	nt, you
	3.	How mar	ny storm wa	iter discharge l	ocations are at	your facility	?					

4.	For sam	each storm event sampled, did you collect and analyze a apple from each of the facilitys' storm water discharge locations?	\boxtimes	YES, go to	ltem E	.6 NO
5.	Was with	s sample collection or analysis reduced in accordance Section B.7.d of the General Permit?		YES		NO, attach explanation
	If "Y that	ES", attach documentation supporting your determination two or more drainage areas are substantially identical.				
	Date	e facility's drainage areas were last evaluated//				
6.	Wei	re <u>all</u> samples collected during the first hour of discharge?	\boxtimes	YES		NO, attach explanation
7.		s <u>all</u> storm water sampling preceded by three (3) king days without a storm water discharge?	\boxtimes	YES		NO, attach explanation
8.		re there any discharges of stormwater that had been porarily stored or contained? (such as from a pond)		YES	\boxtimes	NO, go to Item E.10
9.	cont	you collect and analyze samples of temporarily stored or ained storm water discharges from two storm events? ne storm event if you checked item D.2.i or iii. above)		YES		NO, attach explanation
10.	Spec	ion B.5. of the General Permit requires you to analyze storm wa cific Conductance (SC), Total Organic Carbon (TOC) or Oil and m water discharges in significant quantities, and analytical para	Grease	e (O&G), oth	er poll	utants likely to be present ir
	a.	Does Table D contain any additional parameters related to your facility's SIC code(s)?	X	YES		NO, Go to Item E.11
	b.	Did you analyze all storm water samples for the applicable parameters listed in Table D?	X	YES		NO
	C.	If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:				
		In prior sampling years, the parameter(s) have not be consecutive sampling events. Attach explanation		etected in si	gnificar	nt quantities from two
		The parameter(s) is not likely to be present in storm discharges in significant quantities based upon the	n water facility	discharges operator's e	and au valuati	thorized non-storm water on. Attach explanation
		Other. Attach explanation				
11.	For resu	each storm event sampled, attach a copy of the laboratory analults using Form 1 or its equivalent. The following must be provi	lytical r ded for	eports and r each samp	eport the	ne sampling and analysis cted:
	•	Date and time of sample collection Name and title of sampler. Parameters tested. Name of analytical testing laboratory. Discharge location identification.	Test m Test de Date o	g results. nethods use etection limi if testing. s of the labo	ts.	analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

1.

	Secti	horized Non-Storm Water Discharges tion B.3.b of the General Permit requires quarterly visual harges and their sources.	observations of all authorized non-storm water
	a.	Do authorized non-storm water discharges occur at you	ur facility?
		YES NO Go to Ite	em F.2
	b.	Indicate whether you visually observed all authorized reduring the quarters when they were discharged. Attac "N/A" for quarters without any authorized non-storm was	h an explanation for any "NO" answers. Indicate
		July -September YES NO N/A	October-December YES NO N/A
		January-March YES NO N/A	April-June YES NO N/A
	C.	Use Form 2 to report quarterly visual observations of a provide the following information.	authorized non-storm water discharges or
		 i. name of each authorized non-storm water dischar ii. date and time of observation iii. source and location of each authorized non-storm iv. characteristics of the discharge at its source and i v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or discharges. Provide new or revised BMP implement 	water discharge mpacted drainage area/discharge location prevent pollutants in authorized non-storm water
2.	Sect	authorized Non-Storm Water Discharges tion B.3.a of the General Permit requires quarterly visua sence of unauthorized non-storm water discharges and t	
	a.	Indicate whether you visually observed all drainage ar storm water discharges and their sources. Attach an	
		July -September X YES NO	October-December X YES NO
		January-March X YES NO	April-June X YES NO
	b.	Based upon the quarterly visual observations, were ar	ny unauthorized non-storm water discharges detected?
		YES X	NO Go to item F.2.d
	C.	Have each of the unauthorized non-storm water disc	harges been eliminated or permitted?
		YES	NO Attach explanation
	d.	Use Form 3 to report quarterly unauthorized non-sto following information.	rm water discharge visual observations or provide the
			storm water discharge. Indimpacted drainage area/discharge location. The source of each unauthorized non-storm water as. Provide date unauthorized non-storm water

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

Indicate below whether monthly visual observations of storm water discharges occurred at <u>all</u> discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

October	YES	NO 	February	YES	NO
November	X		March	\boxtimes	
December	\boxtimes		April	\boxtimes	
January	\boxtimes		May	\boxtimes	

- 2. Report monthly wet season visual observations using Form 4 or provide the following information.
 - a. date, time, and location of observation
 - b. name and title of observer
 - c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
 - d. any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. Attach an explanation for any "NO" answers.

1.	Have you inspected all potential pollutant sources and industrial activities areas?	X YES	NO
	The following areas should be inspected:		

- areas where spills and leaks have occured during the last year.
- outdoor wash and rinse areas.
- process/manufacturing areas.
- loading, unloading, and transfer areas.
- waste storage/disposal areas.
- dust/particulate generating areas.
- · erosion areas.

- building repair, remodeling, and construction
- material storage areas
- vehicle/equipment storage areas
- truck parking and access areas
- rooftop equipment areas
- vehicle fueling/maintenance areas
- non-storm water discharge generating areas
- 2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas?

3. Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified:

X YES NO

X YES NO

- facility boundaries
- outline of all storm water drainage areas
- areas impacted by run-on

- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4	4.	Have you reviewed all General Permit compliance record since the last annual evaluation?	ds generated	X YES	NO
		The following records should be reviewed:			
		 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	water disSamplingpreventa	unauthorized non-storm charge visual observation grand Analysis records tive maintenance inspect ntenance records	ons
	5.	Have you reviewed the major elements of the SWPPP to compliance with the General Permit?	o assure	X YES	Пио
		The following SWPPP items should be reviewed:			
	6.	 pollution prevention team list of significant materials description of potential pollutant sources Have you reviewed your SWPPP to assure that a) the Example 1	 identification implement 	nent of potential pollutan ation and description of t ented for each potential p ate	he BMPs to be
	0.	in reducing or preventing pollutants in storm water disch non-storm water discharges, and b) the BMPs are being	harges and auth	orized YES	NO
		The following BMP categories should be reviewed:			
		 good housekeeping practices spill response employee training erosion control quality assurance 	materiawaste l	tative maintenance al handling and storage p nandling/storage ral BMPs	oractices
	7.	Has all material handling equipment and equipment ne implement the SWPPP been inspected?	eded to	⊠ YES	NO
1.	<u>AC</u>	SCE EVALUATION REPORT			
	The	e facility operator is required to provide an evaluation rep	ort that includes		
	•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions	 any ind 	ale for implementing SW sidents of non-complianc staken.	
	Us	se Form 5 to report the results of your evaluation or develo	op an equivalen	t form.	
J.	<u>AC</u>	CSCE CERTIFICATION			
	Th ce	ne facility operator is required to certify compliance with the rtify compliance, both the SWPPP and Monitoring Progra	e Industrial Action	vities Storm Water Gene date and be fully impler	ral Permit. To nented.
		ased upon your ACSCE, do you certify compliance with th ctivities Storm Water General Permit?	e Industrial	X YES [NO
	If y	you answered "NO" attach an explanation to the ACSCE ompliance with the Industrial Activities Storm Water Gener	E Evaluation Reral Permit.	port why you are not in	

1.

ATTACHMENT SUMMARY

Т	itle: MANAGER, ENVIRENMENTER AFF	ALRS		
s	ignature:Sita		Da <u>te: 6</u>	/18/01
Ρ	rinted Name: PETER CHIW			
	nowing violations.			
si	gnificant penalties for submitting false information, including t	the possibility of t	ine and impriso	onment for
W	ho manage the system, or those person directly responsible fubmitted is, to the best of my knowledge and belief, true, accu	or gathering the i irate and complet	ntormation, the te. I am aware	information that there are
De	ersonnel properly gather and evaluate the information submitt	ed. Based on my	/ inquiry of the	person or persons
Ы	ERMIT (see Standard Provision C.9) and I certify under penalere prepared under my direction or supervision in accordance	ity of law that this	document and	all attachments
1 -	am duly authorized to sign reports required by the INDUSTRIA	AL ACTIVITIES S	TORM WATER	R GENERAL
Α	NNUAL REPORT CERTIFICATION			
	G.1, H.1-H.7, or J?	X YES	☐ NO	☐ NA
4.	Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c,			
	appropriate certifications?			
3.	If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the	YES	NO	X NA
	laboratory analytical reports?	y		
2.	If you conducted sampling and analysis, have you attached the	X YES	□ NO	□ NA
1.	Have you attached Forms 1,2,3,4, and 5 or their equivalent?	X YES (M	andatory)	
Αp	plicable) to questions 2-4 if you are not required to provide those at	tachments.		
An	swer the questions below to help you determine what should be atta	iched to this annua	I report. Answer	NA (Not



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Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attention: Peter Chui

Number of Pages 16 Date Received 02/13/2001 Date Reported 02/26/2001

Job	Number	Order Date	Client
	17895	02/13/2001	VULCAN

Project Name: Hewitt Storm Water Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Ol Serrean Approved By: CRon

Cyrus Razmara, Ph.D. Laboratory Director

CHAIN OF CUSTODY L. CORD

erican Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

COMPANY	W. (18 18)	Note A Care	PHONE	The Mark of the Mark of the PHONE (2) OCK-0777	1777	AETL JOB No.	17895	\	Page of
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PROJECT NAME COUNTY	cutt Storm Water Sampting	SCOMING	PROJECT	CT #		Z 19			
SITE NAME						γ'′	5! (Ha (X)		
ADDRESS						13x	181 19		
SAMPLE ID LAE	LAB ID DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	31CT	15 509 509,		PLEGISE SENT YESUND
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CUSTODY SEALS Y/N/NA	6)	SAMPLES INTACT (V)N / NA	N/ NA	Printed	Name:	(shide	Printed Name:		Printed Name
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DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777

Attn:

Peter Chui

Page

Hewitt Storm Water Sampling

Submitted Client AETL Job Number VULCAN 02/13/2001 17895

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					02/13/2001	02/13/2001	
					Aqueous	Aqueous	
Method	Units	MDL	PQL	Analyzed	Results	Results	
120.1	umhos/cm	5.0	10.0	02/14/2001	ND	64	
150.1	pH unit	0.01	0.01	02/13/2001	AN	7.53	
160.2	mg/L	5.0	10.0	1 ' :		264	
325.3	mg/L	0.5	1.0	02/19/2001	ND	4	
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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323) 258-2777

Attn: Peter Chui

Page

3

Project Name: Hewitt Storm Water Sampling

AETL Job Number Submitted Client 17895 02/13/2001 VULCAN

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						AE89146	
					Method Blank	Hewitt	
					02/13/2001	02/13/2001	
					Aqueous	Aqueous	
Method	Units	MDL	PQL	Analyzed	Results	Results	
405.1	mg/L	5.0	5.0	02/19/2001	ND	ND	<u> </u>
410.4	mg/L	5.0	10.0	02/22/2001	ND	12	·
EPA-1664	mg/L	0.5	1.0	02/14/2001	ND	3.3	
	405.1 410.4	405.1 mg/L 410.4 mg/L	405.1 mg/L 5.0 410.4 mg/L 5.0	405.1 mg/L 5.0 5.0 410.4 mg/L 5.0 10.0	Method Units MDL PQL Analyzed 405.1 mg/L 5.0 5.0 02/19/2001 410.4 mg/L 5.0 10.0 02/22/2001	02/13/2001 Aqueous Method Units MDL PQL Analyzed Results 405.1 mg/L 5.0 5.0 02/19/2001 ND 410.4 mg/L 5.0 10.0 02/22/2001 ND	Method Blank Hewitt 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QC Batch Number: 02222001/02222001

Our Lab I.D.				AE89146		
Client Sample I.D.			Method Blank	Hewitt		
Date Sampled			02/13/2001	02/13/2001		
Date Prepared			02/22/2001	02/22/2001		
Preparation Method			3005A	3005A		
Date Analyzed			02/22/2001	02/22/2001		
Matrix			Aqueous	Aqueous		
Units			mg/L	mg/L		12.5
Dilution Factor			1	1		,
Analytes	MDL	PQL	Results	Results		
Calcium	0.25	0.50	ND	10.0		
Lead	0.05	0.10	ND	0.09J		
Nickel	0.01	0.05	ND	0.02J		
Sodium	0.25	0.50	ND	3.14		
Zinc	0.01	0.05	ND	0.15		



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02132001/02132001

Our Lab I.D.				AE89146		
Client Sample I.D.			Method Blank	Hewitt		
Date Sampled			02/13/2001	02/13/2001		
Date Prepared			02/13/2001	02/13/2001		
Preparation Method			5030B	5030B		
Date Analyzed			02/13/2001	02/13/2001		
Matrix			Aqueous	Aqueous		
Units			ug/L	ug/L		
ilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzene	0.25	0.50	ND	ND		
Ethylbenzene	0.25	0.50	ND	ND		
Toluene (Methyl benzene)	0.25	0.50	ND	ND		
Xylenes (Total)	0.50	1.00	ND	ND		
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	ND		

Our Lab I.D.			AE89146		
Surrogates	Con.Limit	% Rec.	% Rec.		
Bromofluorobenzene	75-125	102	102		
Trifluorotoluene	75-125	96	100		



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02152001/02152001

Our Lab I.D.				AE89146		
Client Sample I.D.			Method Blank	Hewitt		
Date Sampled			02/13/2001	02/13/2001		
Date Prepared			02/15/2001	02/15/2001		
Preparation Method			3510C	3510C		
Date Analyzed			02/15/2001	02/15/2001		
Matrix			Aqueous	Aqueous		
Units			mg/L	mg/L		
Dilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C12-C23)	0.1	0.5	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND		
TPH Total as Diesel and Heavy HC.C12-C40	0.1	0.5	ND	ND		

Our Lab I.D.			AE89146		
Surrogates	Con.Limit	% Rec.	% Rec.		
Chlorobenzene	75~125	91	100	<u></u>	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Specific conductance	1,880	-	<1	<15	141.30	141.30	100	80-120	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02132001/02132001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD		
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
pH	7.53	7.51	<1	<15	7.00	7.07	101	80-120	-	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 02152001/02152001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Total Suspended Solids (TSS)	956	976	2.1	<15	100.00	94.00	94	80-120	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02222001/02222001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Calcium	1.00	1.00	100	1.00	0.99	99	1.0	80-120	<15	
Lead	1.00	0.93	93	1.00	0.93	93	<1	80-120	<15	
Nickel	1.00	0.91	91	1.00	0.90	90	1.1	80-120	<15	
Sodium	1.00	0.96	96	1.00	0.97	97	1.0	80-120	<15	gerte.
Zinc	1.00	0.93	93	1.00	0.93	93	<1	80-120	<15	

QC Batch Number: 02222001/02222001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Calcium	1.00	1.00	100	80-120			
Lead	1.00	0.97	97	80-120			
Nickel	1.00	0.97	97	80-120			
Sodium	1.00	0.98	98	80-120			
Zinc	1.00	0.97	97	80-120			



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02192001/02192001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chloride	20.00	21.00	105	20.00	20.00	100	4.8	80-120	<15	

QC Batch Number: 02192001/02192001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC		
Chloride	55	55	<1	<15	20.00	20.00	100	80-120	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

OC Batch Number: 02142001/02142001

QC Daten name - 02112001	, 0								 	3
	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD		
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
Riochemical Oxygen Demand (BOD)	ND	ND	<1	<15	36.00	33.12	92	80-120	<u> </u>	
- Hanchemical La vyca Demail (DOD)		ł.	1	t .						



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chemical Oxygen Demand	100.00	108.00	108	100.00	104.00	104	3.7	80-120	<15	

								T	 T
	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
'hemical Oxygen Demand	5J	5J	<1	<15	100.00	109.00	109	80-120	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC QUALITY CONTROL REPORT

QC Batch Number: 02132001/02132001

MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
50.00	55.00	110	50.00	55.00	110	<1	75-125	<20	
50.00	55.00	110	50.00	55.00	110	<1	75-125	<20	
50.00	53.00	106	50.00	54.00	108	1.8	75-125	<20	
50.00	56.00	112	50.00	55.00	110	1.8	75-125	<20	Vi Z
100.00	107.00	107	100.00	107.00	107	<1	75-125	<20	
	Concen 50.00 50.00 50.00	Concen Recov 50.00 55.00 50.00 55.00 50.00 53.00 50.00 56.00	Concen Recov % REC 50.00 55.00 110 50.00 55.00 110 50.00 53.00 106 50.00 56.00 112	Concen Recov % REC Concen 50.00 55.00 110 50.00 50.00 55.00 110 50.00 50.00 53.00 106 50.00 50.00 56.00 112 50.00	Concen Recov % REC Concen Recov 50.00 55.00 110 50.00 55.00 50.00 55.00 110 50.00 55.00 50.00 53.00 106 50.00 54.00 50.00 56.00 112 50.00 55.00	Concen Recov % REC Concen Recov % REC 50.00 55.00 110 50.00 55.00 110 50.00 55.00 110 50.00 55.00 110 50.00 53.00 106 50.00 54.00 108 50.00 56.00 112 50.00 55.00 110	Concen Recov % REC Concen Recov % REC % 50.00 55.00 110 50.00 55.00 110 <1	Concen Recov % REC Concen Recov % REC % Limit 50.00 55.00 110 50.00 55.00 110 <1	Concen Recov % REC Concen Recov % REC % Limit % Limit % Limit 50.00 55.00 110 50.00 55.00 110 <1

QC Batch Number: 02132001/02132001

	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	% Limit				
Benzene	50.00	56.00	112	75-125				
Ethylbenzene	50.00	54.00	108	75-125			<u> </u>	
Toluene (Methyl benzene)	50.00	53.00	106	75-125				
LCS								
o-Xylene	50.00	55.00	110	75-125				
m,p-Xylenes	100.00	105.00	105	75-125			<u> </u>	



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: EPA-1664, Oil and Grease QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Oil and Grease			94	80-120			



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
17895	02/13/2001	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 02152001/02152001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Diesel (C12-C23)	25.00	25.25	101	25.00	25.50	102	<1	75-125	<20	

QC Batch Number: 02152001/02152001

	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	% Limit				
TPH as Diesel (C12-C23)	25.00	25.25	101	75-125		<u> </u>	<u> </u>	



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recov: Recovered concentration in the sample.

RPD: Relative Percent Difference



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Job Number	Order Date	Client
18086	03/05/2001	VULCAN

Project Name: Hewitt Storm Water Sampling

Site: He

Hewitt

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: Approved By: C. Romane

Cyrus Razmara, Ph.D. Laboratory Director

CHAIN OF CUSTODY CORD.

erican Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

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ADDRESS							0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		
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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Peter Chui Attn:

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Site

Hewitt				
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AETL	Job Number	Submitted	Client
	18086	03/05/2001	VULCAN

Project Name: Hewitt Storm Water Sampling						03/	05/2001	VULCAN
Our Lab I.D.			AE90419					
Client Sample I.D.		Method Blank	OF-001					
Date Sampled		03/05/2001	03/05/2001					
Matrix						Aqueous	Aqueous	
Analytes	Method	Units	MDL	PQL	Analyzed	Results	Results	
Specific conductance	120.1	umhos/cm	5.0	10.0	03/05/2001	ND	68	
pH	150.1	pH unit	0.01	0.01	03/05/2001	NA	8.39	
Total Suspended Solids (TSS)	160.2	mg/L	5.0	10.0	03/09/2001	ND	762	
Calcium	200.7	mg/L	0.25	0.50	03/08/2001	ND	15.9	
Lead	200.7	mg/L	0.05	0.10	03/08/2001	ND	0.24	
Nickel	200.7	mg/L	0.01	0.05	03/08/2001	ND	0.04J	
Sodium	200.7	mg/L	0.25	0.50	03/08/2001	ND	3.28	
Zinc	200.7	mg/L	0.01	0.05	03/08/2001	ND	0.27	
Chloride	325.3	mg/L	0.5	1.0	03/09/2001	ND	2	
Biochemical Oxygen Demand (BOD)	405.1	mg/L	5.0	5.0	03/12/2001	ND	ND	
Chemical Oxygen Demand	410.4	mg/L	5.0	10.0	03/08/2001	ND	39	
Oil and Grease	EPA-1664	mg/L	0.5	1.0	03/05/2001	ND	4.0	



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Project Name:

Page:

Hewitt Storm Water Sampling

Hewitt		

AETL Job Number Submitted Client
18086 03/05/2001 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 03062001/03062001

3

Our Lab I.D.				AE90419		
Client Sample I.D.			Method Blank	OF-001		
Date Sampled			03/05/2001	03/05/2001		
Date Prepared			03/06/2001	03/06/2001		
Preparation Method			5030B	5030B		
Date Analyzed			03/06/2001	03/06/2001		
Matrix			Aqueous	Aqueous		
Inits			ug/L	ug/L		
ilution Factor			1	1		
Analytes	MDL	PQL	Results	Results		
Benzene	0.25	0.50	ND	ND		
Ethylbenzene	0.25	0.50	ND	0.5		
Toluene (Methyl benzene)	0.25	0.50	ND	1.6		
Xylenes (Total)	0.50	1.00	ND	2.8		
Methyl-tert-butyl ether (MTBE)	0.50	1.00	ND	ND		
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	10.7		

Our Lab I.D.			AE90419		
Surrogates	Con.Limit	% Rec.	% Rec.		
Bromofluorobenzene	75-125	112	106		
Trifluorotoluene	75-125	98	100		



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Peter Chui

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 03082001/03082001

Our Lab I.D.				AE90419		
Client Sample I.D.	<u> </u>		Method Blank	OF-001		
Date Sampled			03/05/2001	03/05/2001		
Date Prepared			03/08/2001	03/08/2001		
Preparation Method	····		3510C	3510C		
Date Analyzed			03/08/2001	03/08/2001		
Matrix			Aqueous	Aqueous		
Units			mg/L	mg/L		
Dilution Factor			1	1		(
Analytes	MDL	PQL	Results	Results		
TPH as Diesel (C12-C23)	0.1	0.5	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND		
TPH Total as Diesel and Heavy HC.C12-C40	0.1	0.5	ND	ND		

Our Lab I.D.				AE90419		
Surrogates	Con.I	imit	% Rec.	% Rec.	Facility in the	
Chlorobenzene	75-	125	114	81		



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 03052001/03052001

ENCORPOSE E LA RESPECTA	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Specific conductance	73	73	<1	<15	141.30	139.89	99	80-120	



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Project Name:

Hewitt Storm Water Sampling

AET	L Job Number	Submitted	Client
	18086	03/05/2001	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

OC Batch Number: 03052001/03052001

QC 20000	,								 	٦
	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	1	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
nH	6.28	6.26	<1	<15	7.00	7.00	100	80-120		j
11111		1								



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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 03092001/03092001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Total Suspended Solids (TSS)	24	24	<1	<15	100.00	103.00	103	80-120	



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Project Name:

Hewitt Storm Water Sampling

AETL Job N	umber	Submitted	Client
18086	6	03/05/2001	VULCAN

18086

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

OUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

								,		
	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Calcium	1.00	1.04	104	1.00	1.10	110	5.6	80-120	<15	
Lead	1.00	0.99	99	1.00	0.99	99	<1	80-120	<15	
Nickel	1.00	0.97	97	1.00	0.96	96	1.0	80-120	<15	
Sodium	1.00	0.97	97	1.00	1.02	102	5.0	80-120	<15	7
Zinc	1.00	0.98	98	1.00	0.97	97	1.0	80-120	<15	<u> </u>

QC Batch Number: 03082001/03082001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Calcium	1.00	1.01	101	80-120			
Lead	1.00	1.00	100	80-120			
Nickel	1.00	0.99	99	80-120			
Sodium	1.00	1.02	102	80-120			
Zinc	1.00	0.99	99	80-120		<u> </u>	<u> </u>



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Peter Chui

Page:

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 03092001/03092001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chloride	20.00	20.60	103	20.00	19.60	98	4.9	80-120	<15	

QC Batch Number: 03092001/03092001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chloride	2	2	<1	<15	20.00	20.00	100	80-120	



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Hewitt	

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 03072001/03072001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Biochemical Oxygen Demand (BOD)	150.00	136.50	91	80-120			



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ANALYTICAL RESULTS

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Los Angeles, CA 90065	

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Telephone: (323)258-2777 Attn: Peter Chui

Page:

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Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chemical Oxygen Demand	50.00	46.50	93	50.00	46.00	92	1.0	80-120	<15	

QC Batch Number: 03082001/03082001

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chemical Oxygen Demand	137	137	<1	<15	100.00	94.00	94	80-120	



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065 DILLE

Telephone: (323)258-2777

Attn:

Peter Chui

Page:

12

Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QUALITY CONTROL REPORT

QC Batch Number: 03062001 / 03062001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Benzene	50.00	43.00	86	50.00	46.00	92	6.7	75-125	<20	
Ethylbenzene	50.00	50.00	100	50.00	52.00	104	3.9	75-125	<20	
Toluene (Methyl benzene)	50.00	49.00	98	50.00	51.00	102	4.0	75-125	<20	
LCS										
o-Xylene	50.00	52.00	104	50.00	54.00	108	3.7	75-125	<20	
m,p-Xylenes	100.00	96.00	96	100.00	99.00	99	3.0	75-125	<20	

QC Batch Number: 03062001/03062001

	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Benzene	50.00	54.00	108	75-125			
Ethylbenzene	50.00	56.00	112	75-125			
Toluene (Methyl benzene)	50.00	55.00	110	75-125			
LCS							
o-Xylene	50.00	56.00	112	75-125			
m,p-Xylenes	100.00	106.00	106	75-125			



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ANALYTICAL RESULTS

Ordered By	
Vulcan Materials CoCalmat Div.	
3200 San Fernando Road	
Los Angeles, CA 90065	

Site	
Hewitt	

Telephone: (323)258-2777

Attn:

Peter Chui

Page:

13

Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: EPA-1664, Oil and Grease QUALITY CONTROL REPORT

QC Batch Number: 03052001/03052001

						- }
	LCS	LCS	LCS	LCS/LCSD	D	
Analytes	Concen	Recov	% REC	% Limit		_
Oil and Grease	10.00	9.60	96	80-120		



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

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Hewitt	
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Telephone: (323)258-2777

Attn:

Peter Chui

Page:

14

Project Name:

Hewitt Storm Water Sampling

AETL Job Number	Submitted	Client
18086	03/05/2001	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Diesel (C12-C23)	25.00	30.50	122	25.00	29.00	116	5.0	75-125	< 20	

QC Batch Number: 03082001/03082001

•					 	 ·		-77	ı
	LCS	LCS	LCS	LCS/LCSD			- /	Salar	
Analytes	Concen	Recov	% REC	% Limit					-
TPH as Diesel (C12-C23)	25.00	29.50	118	75-125			L		j



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recovered concentration in the sample.

RPD: Relative Percent Difference



FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDS)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
 - Quarterly visual observations are required to observe current and detect prior unauthorized NSWOs.
 - Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permil.
 - Make additional copies of this form as necessary.

	If YES to either question,	complete reverse sida.	If YES to either question,	complete reverse side,	If YES Leither	complete reverse side.	If YES to either question,	complete reverse side.
	□ YES ÆNO	☐ YES ☐NO	TYES (XNO	VES □NO	UYES BYNO	_ YES □NO	TYES BYNO	□ YES □NO
	WERE UNAUTHORIZED NSWDS OBSERVED?	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDS7	WERE UNAUTHORIZED NSWDs OBSERVED?	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs7	WERE UNAUTHORIZED NSWD® OBSERVED?	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWD87	WERE UNAUTHORIZED NSWDs OBSERVED?	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?
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Of ADTED: WIN SERVING	DATETIME OF OBSERVATIONS	711002.30 DPM	DATEITIME OF OBSERVATIONS	11 14 00 9. W C AM	QUARTER: JAN-MARCH 01 DATE/TIME OF	1,299/5/10 CB AND	QUARTER: APRILJUNE ()1 DATETIME OF OBSERVATIONS	4,7,10,7 6.30 DAM

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES At MEPORT ₹

9

Storm water discharge visual observations are required far at least one storm event per month between October 1 and May 31

Discharges of temporarity stored or contained storm water must be observed at the time of discharge, indicate "None" in the first column of this form if you did not conduct a monthly visual observation, Make additional copies of this form as necessary. # D A.M. P. H. 報 P.M. A. W. <u>₹</u> 200 YES ¥ P.M. AH. No 765 #7 Drainage Location Description (If) test, complete raverse skite) Time Discharge Began Wess Politiants Observed Visual observations must be conducted during the first hour of discharge Observation Time Observation Date: October 10000 And Astropada Observers Name: Mayde et eff discherge locations.

Signafure:

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ટ્ર 2 YES YES # # D P.M. D P.M. 2 2 YES YES £ ¥ ₹ Q. A.T. 2 YES ¥ # D P.M. D P.W. D § YES 🗆 ÷ #1 Draininge Location Description (If yes, complate reverse side) Drainage Location Description Were Pollutanta Observed Time Discharge Begen Observation Time 2000 Observation Date: December 12 2000 "Hoperal Observation Date: November Observers Name: / The Observers Nagne: Signature 200

ş YES # Z 2 N 0 YES #3 Z ∑ A. E E S D YES O # ₹ **₹** 0 0 8 8 **⋣** 200 YES [# Drainage Location Description (if yes, complete reverse side) Time Discharge Regan Ware Polititents Observed Observation Time Observation Date: January Observers Name: Signature

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YES

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P.M. Z, Z, Å.

A A

A.W.

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YES

8 0

YES [

(il yes, complete ravanse side)

Were Poliviants Observed

Time Discharge Began

Signature

THE Z

Observation Time

O A.K.

2000:300]

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES ANNUAL REPORT

Stom water discharge visual observations are required for at least one storm of per month between October 1 and May 31, Visual observations must be canducted during the fast hour of discharge

and all affectioning locations.

Discharges of temporarity stored or conteined storm water must be observed at the time of discharge. Indicate "None" in the first column of the form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

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wers Name:	Observation Time	: D.W.	. O A.M.	S. A. A. A.	
margin margin	Tape Discharge Began	; DP.M.	: D P.W.	: P.M.	
Bigneture / Wyorks	Were Politizatis Observed (If yes, complete reverse side)	YES [] NO []	YES NO	YES NO	YES OND
Observation Date: April 2 2001	Drainage Location Description	# NOVE	# 2	#3	7
Vers Names. Class	Observation Time	E. D. P.W.	P.W.	: D.M.	
The Ann of Market	Time Olechans Began	 	: CONTRACT	P.M.	
Signature:	Were Politiants Observed (If yes, complete reverse side)	YES NO	YES ☐ NO ☐	YES 🗆 NO	YES NO
		777		¥11	
Observation Date: May 7/ 2001	Drainage Location Description	None	7#	2	#
D Observers Name: (M. C. C. C. C. C. C. C. C. C. C. C. C. C.	Otservation Tame	 DD	: D P.M.	: D P.W.	
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Signature:	If yes, complete invaria sidal	YES NO	YES UNO U	YES [] NO []	YFS [] NO []

2000-2001 ANNUAL REPORT

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION

SIGNATURE: TITLE: MANAGER INSPECTOR NAME: _ Peter L. Chiu /8 /01 POTENTIAL POLLUTANT 9 EVALUATION DATE:

corrective actions and their date(s) of Describe additional/revised BMPs or corrective actions and their date(s) of Describe additional/revised BMPs or corrective actions and their date(s) of Describe additional/revised BMPs or Implementation implementation implementation NONE Describe deficiencies in BMPs or BMP Describe deficiencies in BMPs or BMP Describe deficiencies in BMPs or BMP Implementation implementation implementation NONE question, complete If yes, to either question, complete If yes, to either question, complete columns of this form columns of this form If yes, to either columns of this form the next two the next two the next two NO ES OVES OVES HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ARE ADDITIONAL/REVISED ARE ADDITIONAL/REVISED BMPs NECESSARY? BMPs NECESSARY? SOURCE/INDUSTRIAL ACTIVITY AREA Return Concrete, RAP, Parking SOURCE/INDUSTRIAL ACTIVITY AREA SOURCE/INDUSTRIAL ACTIVITY AREA Area, Truck Washing, Admix Aggregate Storage, Fueling Storage, Maintenance Area, (as identified in your SWPPP) (as identified In your SWPPP) (as identified in your SWPPP) POTENTIAL POLLUTANT POTENTIAL POLLUTANT

Describe additional/revised BMPs or corrective actions and their date(s) of

Describe deficiencies in BMPs or BMP

implementation

If yes, to either question, complete

> Ness Ness

HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?

SOURCE/INDUSTRIAL ACTIVITY AREA

POTENTIAL POLLUTANT

(as identified in your SWPPP)

ARE ADDITIONAL/REVISED BMPs NECESSARY? columns of this form

ARE ADDITIONAL/REVISED BMPs NECESSARY?

the next two

implementation

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD 1999-2000 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

RECEIVED

7000 IIIN 29

Reporting Period July 1, 1999 through June 30, 2000 CALIFORNIA REGIONAL WATER

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, C, and D below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be filed) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 20 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

ROBERT TOM (213) 576-6753

E-mail: rtom@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

B. Facility WDID No:

C. Facility Operator Information:

Contact Person:

MR GEORGE COSPY PETER CHILL

(323) 258-2777

4 198002767

CALMAT CO

D. Facility Information:

Contact Person:

MR. GEORGE COSET YETER CHILL

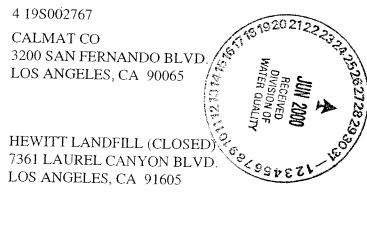
(323) 258-2777

Mailing Address:

SIC Code(s):

4953

Refuse Systems



1999-2000 ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D.

Ε.

<u>sa</u>	MPLING A	AÑĎ AI	NALYSIS EXE	EMPTIONS AND	REDUCTIONS	<u>S</u>		
1.	For the raccordar	eportir	ng period, was h sections B.	s your facility ex 12 or 15 of the (empt from colle General Permit?	cting and	analyzin	g samples from t wo storm events in
	Y	ES	Go to Item I	D.2		XXX	NO	Go to Section E
2.	Indicate copy of t	the rea	ason your faci t page of the a	lity is exempt fro appropriate certi	om collecting ar ification if you c	nd analyzii heck boxe	ng samp es ii, iii, iv	les from two storm events. Attach a v, or v.
	i	Partio	cipating in an	Approved Grou	p Monitoring Pl	an	Group	Name:
	ii		•	osure Certifica	•		Date S	ubmitted://
	*	Does	facility contin	nue to satisfy NE	EC conditions?		YES	NO
	iii.			ng Reduction(RC)	Date S	ubmitted:/
				nue to satisfy SF			YES	□ NO
	iv.	Rece	ived Regiona	l Board Certifica	ation		Certific	ation Date://
	v	Rece	ived Local Ag	ency Certification	on		Certific	ation Date://
3.	If you ch	ecked	boxes i or iii a	above, were you	scheduled to s	ample on	e storm e	event during the reporting year?
	Y	ES	Go to Section	on E			NO	Go to Section F
4.	If you ch	ecked	boxes ii, iv, o	rv, go to Section	n F.			
SAN	IPLING A	ND AN	<u>ĄLYSIS RESI</u>	<u>JLTS</u>				
1.	How mar	ny stori	m events did	you sample?	_2		2.i or iii. a	tach explanation (if you checked above, only attach explanation if you
2. 🕏	Did you o	collect ed facili	storm water s ity operating h	amples from the nours? (Section	e first storm of tl B.5 of the Gene	ne wet sea eral Permit	ason tha :)	t produced a discharge during
	X :	YES					NO	Attach explanation

How many storm water discharge locations are at your facility?

ONE

F. QUARTERLY VISUAL OBSERVATIONS

1.	Sec	thorized Non-Storm Water Discharges ction B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water charges and their sources.
	a.	Do authorized non-storm water discharges occur at your facility?
		YES XXXX NO Go to Item F.2
	b.	Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers. Indicate "N/A" for quarters without any authorized non-storm water discharges.
		July -September YES NO N/A October-December YES NO N/A
		January-March YES NO N/A April-June YES NO N/A
	C.	Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information.
		 i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.
2.	Sect	buthorized Non-Storm Water Discharges tion B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the sence of unauthorized non-storm water discharges and their sources.
	a.	Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers.
		July -September X YES NO October-December X YES NO
		January-March X YES NO April-June XXXXX YES NO
	b.	Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?
		YES XXXX NO Go to item F.2.d
	C.	Have each of the unauthorized non-storm water discharges been eliminated or permitted? N/A
		YES NO Attach explanation
	d.	Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.
		 i. name of each unauthorized non-storm water discharge. ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during

	the	e first hour of dis	charge or, ir	n the case of temp	orarily sto	ored or contained	storm water, at t	he time of di	scharge.
	1.	locations. At storm events	tach an exp	nonthly visual obs blanation for any uring scheduled fa e, name and title o	"NO" and cility oper	swers. Include in ating hours that d	this explanation id not result in a	whether an storm water	y eligible discharge,
		October	YES	NO		February	YES	NO	
		November				March			
		December				April			
		January				May	X		
	2.	Report mon	thly wet sea	son visual observa	ations usi	ng Form 4 or prov	vide the following	information	
ANI	NUAL C	c. charac d. any ne Provid	ew or revised e new or rev	bserver he discharge (i.e., d BMPs necessar, vised BMP implem	y to reduc ne n tation o	e o r prevent pollu date.	ce of any polluta tants in storm wa	nts observed ater dischard	d. ges.
H.	ACSCE	CHECKLIST							
	June 30 be revis	Evaluations ed and implement	must be con ented, as ne iplete a ACS	equires the facility ducted within 8-10 cessary, within 90 GCE. Indicate who s.	6 months days of t	of each other. Th he evaluation. Th	e SWPPP and n ie checklist belov	nonitoring pr w includes th	ogram shall
	1. H TI	ave you inspecto he following area	ed all potent as should be	ial pollutant source inspected:	es and inc	dustrial activities a	areas?X <mark>XX</mark> YE	s [NO
	•	areas where the last year. outdoor wash process/manuloading, unloa waste storage dust/particula erosion areas	and rinse aufacturing and trading, and tree/disposal arte generating	reas. ransfer areas. reas.	during	material stovehicle/equtruck parkinrooftop equvehicle fuel	eair, remodeling, rage areas ipment storage a g and access ar ipment areas ing/maintenance vater discharge (areas eas areas	
	2. H	ave you reviewe otential pollutant	d your SWP sources an	PP to assure that dindustrial activiti	tits BMPs ies areas?	address existing	XXXXX YE	s [NO
	3. H	ave you inspectoup-to-date? Th	ed the entire e following s	facility to verify the	nat the SV ould be ve	VPPP's site map, rified:	XXXXX YE	s [NO
	•	facility bound outline of all s areas impacte	storm water	drainage areas ı	•	storm water discl storm water colle structural control berms, containm	ection and conve measures such	as catch ba	sins,

NO

Have you reviewed all General Permit compliance records generated

since the last annual evaluation?

	The following records should be reviewed.				
	 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	•	water dischar Sampling and	uthorized non-storn ge visual observati I Analysis records maintenance insped ince records	ons
5.	Have you reviewed the major elements of the SWPPP compliance with the General Permit?	to assu	ıre	XXXXX YES	☐ NO
	The following SWPPP items should be reviewed:				
	 pollution prevention team list of significant materials description of potential pollutant sources 	•	identification a	f potential pollutant and description of th for each potential po	ne BMPs to be
6.	Have you reviewed your SWPPP to assure that a) the in reducing or preventing pollutants in storm water disc non-storm water discharges, and b) the BMPs are being	harges	and authorized	XXXXX YES	NO
	The following BMP categories should be reviewed:				
	 good housekeeping practices spill response employee training erosion control quality assurance 	•	preventative r material hand waste handlin structural BMI	ling and storage pra g/storage	actices
7.	Has all material handling equipment and equipment ne implement the SWPPP been inspected?	eded to		XXXXX YES	NO
ACS	CE EVALUATION REPORT				
The	facility operator is required to provide an evaluation repo	ort that in	ncludes:		
•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions	•	schedule for im any incidents c actions taken.	nplementing SWPP of non-compliance a	P revisions and the corrective
Use	Form 5 to report the results of your evaluation or develo	p an eq	uivalent form.		
ACS	<u>CE CERTIFICATION</u>				
	······································	Land on the			
certif	facility operator is required to certify compliance with the fy compliance, both the SWPPP and Monitoring Program	must b	e up to date and	rm Water General I d be fully implemen	Permit. To ted.
Base Activ	ed upon your ACSCE, do you certify compliance with the ities Storm Water General Permit?	Industri		YES	NO
If you	answered "NO" attach an explanation to the ACSCE lobiance with the Industrial Activities Storm Water General	Evaluati Permit.	on Report why	you are not in	

1.

J.

ATTACHMENT SUMMARY

Title: MANAGER, ENVIRONMENTAL AFFAIRS

Answer the questions below to help you determine what should be attached to this ann Applicable) to questions 2-4 if you are not required to provide those attachments.	ual report. Answer	NA (Not
1. Have you attached Forms 1,2,3,4, and 5 or their equivalent? XXXXX YES	(Mandatory)	
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports? XXXXX YES	☐ NO	☐ NA
3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	□ NO	XXXX NA
4. Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	NO	☐ NA
ANNUAL REPORT CERTIFICATION		
I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES of PERMIT (see Standard Provision C.9) and I certify under penalty of law that this were prepared under my direction or supervision in accordance with a system corresponded properly gather and evaluate the information submitted. Based on mowho manage the system, or those person directly responsible for gathering the submitted is, to the best of my knowledge and belief, true, accurate and completing significant penalties for submitting false information, including the possibility of fiviolations.	s document and a designed to ensur- ly inquiry of the pe information, the in te. I am aware th	all attachments e that qualified erson or persons nformation nat there are
Printed Name: Peter Chiu	L. C. C. C. C. C. C. C. C. C. C. C. C. C.	
Signature:	Date: <u>June 2</u>	26, 2000



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Ordered By

Vulcan Materials Co.-Calmat Div.

3200 San Fernando Road Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attention: George Cosby

Number of Pages 12

Date Received

04/17/2000

Date Reported

04/28/2000

Job Number	Order Date	Client
15230	04/17/2000	VULCAN

Project Name: Hewitt Storm water

Site:

Hewitt/Calmat Self-Storage

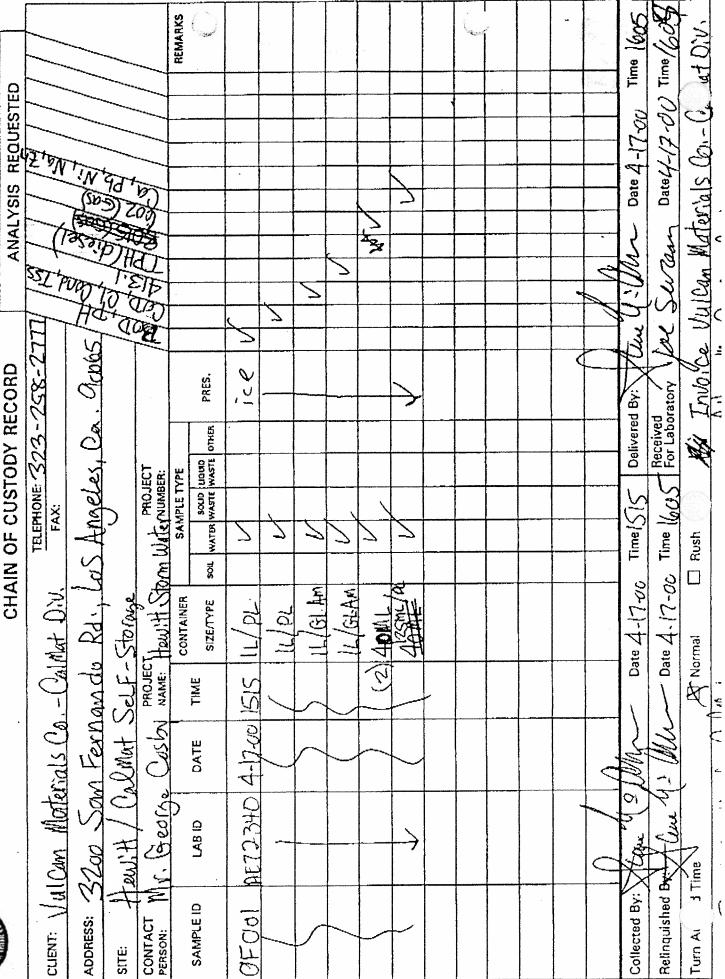
Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Wean Approved By: Ro

Cyrus Razmara, Ph.D. Laboratory Director

AETL JOB# 15330 PAGE 1 0F

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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5

Attn:

Telephone: (323) 258-2777 George Cosby

Page

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Site

Hewitt/Calmat Self-Storage

				AET	TL Job Num	ber S	ubmitted	Client
Project Name: Hewitt S	torm water	:			15230	04	/17/2000	VULCAN
Our Lab I.D.							AE72340	
Client Sample I.D.						Method Bla	nk OF-001	
Date Sampled						04/17/20	00 04/17/2000	
Matrix						Aqueous	Aqueous	
Analytes	Method	Units	MDL	PQL	Analyzed	Result		
Specific conductance	120.1	umhos/cm	5.0	10.0	04/17/2000		103	
pH	150.1	pH unit	0.01	0.61	04/17/2000	N/A	7.71	
Total Suspended Solids (TSS)	160.2	mg/L	5.0	10.0	04/19/2000	MD	258	
Calcium	200.7	mg/L	0.25	0.50	04/19/2000	ND	13.6	
ad	200.7	mg/L	0.05	0.10	04/19/2000	ND	0.15	
<u>£kel</u>	200.7	mg/L	0.01	0.05	04/19/2000	Си	0.021	
Sodium	200.7	mg/L	0.25	0.50	04/19/2000	MD	4.1	
Zinc	200.7	mg/L	0.01	0.05	04/19/2000	ND	0.23	
Chloride	325.3	mg/L,	0.5	1.0	04/18/2000	ЙЙ	5	
Biochemical Oxygen Demand (BOD)	405.1	mg/L	5.0	5.0	04/24/2000	ND	12	
Chemical Oxygen Demand	410.4	mg/L	5.0	10.0	04/21/2000	ND	77	
Oil and Grease	413.1	mg/L	0.5	1.0	04/18/2000	ND	6.1	
Benzene	602/M8015G	ug/L	0.25	0.50	04/27/2000	ND	ND	A
Ethylbenzene	602/M8015G	ug/L	0.25	0.50	04/27/2000	ND	ND	
Toluene (Methyl benzene)	602/M8015G	ug/L	0.25	0.50	04/27/2000	ND	MD	
Xylenes (Total)	602/M8015G	ug/L	0.50	1.00	04/27/2000	NTD	ďи	
Methyl-tert-butyl ether (MTBE)	602/M8015G	ug/L	0.50	1.00	04/27/2000	ND	ND	· · · · · · · · · · · · · · · · · · ·
TPH as Gasoline and Light HC. (C4-C12)	602/M8015G	ug/L	5.0	10.0	04/27/2000	DM	סמ	
TPH as Diesel (C12-C23)	M8015D	mg/L,	0.1	0.5	04/18/2000	ND	MD	
TPH as Heavy Hydrocarbons (C23-C40)	M8015D	mg/L	0.1	0.5	04/18/2000	ND	0.7	
TPH Total as Diesel and Heavy HC.C12-C40	M8015D	mg/L	0.1	0.5	04/18/2000	ND	0.7	



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Site	
Hewitt/Calmat Self-Storage	

Telephone: (323)258-2777 Attn: George Cosby

Project Name:

Page:

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Hewitt Storm water

AETL Job Number Submitted Client
15230 04/17/2000 VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Specific conductance	534	534	<1	<15	141.3	141.3	100	80-120	



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ANALYTICAL RESULTS

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3200 San Fernando Road	
Los Angeles, CA 90065-5	

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Llmit	
pH	7.34	7.34	<1	<15	7.0	7.0	100	80-120	



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5 Site
Hewitt/Calmat Sel

Hewitt/Calmat Self-Storage

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Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

#4 ppppp rimman : 0473200	0,0								,	,
	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD		
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
Total Suspended Solids (TSS)	139	136	2,2	<15	100.0	94.0	94	80-120		



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ANALYTICAL RESULTS

Ordered By			
Vulcan Materials CoCalma	t Div.		
3200 San Fernando Road	.*	•	•
Los Angeles, CA 90065-5			

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ı	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL
	Hewitt/Calmat Self-Storage
1	

Telephone: (323)258-2777 Attn: George Cosby

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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Calcium	1.0	0.9	93	1.0	0.9	93	<1	80-120	<15	
Lend	1.0	1.0	99	1.0	1.0	100	1.0	80-120	<15	·
Nickel	1.0	1.0	100	1.0	1.0	100	<1	80-120	<15	
Sodium Z:	1.0	0.8	81	1.0	0.9	86	6.0	80-120	<15	······································
7inc	1.0	1.0	99	1.0	1.0	98	1.0	80-120	<15	

QC Batch Number: 04192000/04192000

	LCS	LCS	LCS	LCS/LCSD				T	T*************************************
Analytes	Concen	Recov	% REC	% Limit				ļ	
Calcium	1.0	1.0	103	80-120	_				
Lead	1.0	1.0	98	80-120				 	
Nickel	1.0	1.0	102	80-120				<u> </u>	
Sodium	1.0	1.0	104	80-120			 		
Zinc	1.0	1.0	102	80-120					



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5 Site

Hewitt/Calmat Self-Storage

Telephone: (323)258-2777 Attn: George Cosby

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Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

í		1			·						
-		MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
L	Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
1	Chloride	20.0	20.0	100	20.0	20.0	100	<1	80-120	<15	
									1		

QC Batch Number: 04182000/04182000

	SM	\$M DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD		
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
Chloride	276	276	<1	<15	20.0	20.0	100	80-120	i.	



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ANALYTICAL RESULTS

Ordered By	
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3.1	. 66		
He	witt/Calmat Self-Storage		
•			
			5.79

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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	T
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Biochemical Oxygen Demand (BOD)	12	12	<1	<15	200.0	190.0	95	80-120	



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ANALYTICAL RESULTS

Site

Hewitt/Calmat Self-Storage

Ordered By

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Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

LAPS COLUMN TO THE STREET

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 04212000/04212000

	MS	MS	MS	M\$ DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chemical Oxygen Demand	100.0	96.0	96	100.0	94.0	94	2.1	80-120	<15	

QC Batch Number: 04212000/04212000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Llmit	
Chemical Oxygen Demand	48	48	<1	<15	100.0	93.0	93	80-120	



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ANALYTICAL RESULTS

Ordered By	Site
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Telephone: (323)258-2777 Attn: George Cosby

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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

	LCS	LCS	LCS	LCS/LCSD	
Analytes	Concen	Recov	% REC	% Limit	
Oil and Grease	10.0	10.6	106	80-120	0
		· · · · · · · · · · · · · · · · · · ·			



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ANALYTICAL RESULTS

Ordered By	Site
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Project Name: Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

The second second second second second second second second second second second second second second second se

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

	•		
Our Lab I.D.		AE72340	1
Surrogates	Con.Limit	% Rec.	
Bromofluorobenzene	75-125	97	
Trifluorotoluene	75-125	101	

QUALITY CONTROL REPORT

QC Batch Number: 04272000/04272000

\.	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Benzene	50.0	50.0	100	50.0	53.0	106	5.8	75-125	<20	
Ethylbenzene	50.0	57.0	114	50.0	54.0	108	5.4	75-125	<20	
Toluene (Methyl benzene)	50.0	47.0	94	50.0	47.0	94	<1	75-125	<20	
LCS										
o-Xylene	50.0	49.0	98	50.0	47.0	94	4.2	75-125	<20	
m,p-Xylenes	100.0	93.0	93	100.0	80.0	80	15.0	75-125	<20	

OC Batch Number: 04272000/04272000

QC Dates Remoder 042)				·	 	7	 1
•	LCS	LCS	LCS	LCS/LCSD			
Analytes	Concen	Recov	% REC	% Limit			
Benzene	50.0	47.0	94	75-125			
Ethylbenzene	50.0	53.0	106	75-125			
Tolucne (Methyl benzene)	50.0	46.0	92	75-125			
LCS							
o-Xylene	50.0	48.0	96	75-125	 		
m,p-Xylenes	100.0	85.0	85	75-125			<u> </u>



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ANALYTICAL RESULTS

Ordered By	•		2	Site					
Vulcan Material 3200 San Fernal Los Angeles, Ca				Hewitt/Calmat Self-Storage					
Telephone: (32 Attn: Geo	3)258-2777 rge Cosby								
Page:	12								
Project Name:	Hewitt St	orm water		AETL Job Number	Submitted 04/17/2000	Clien			
	M	lethod: M8015D, TPH	as Diesel and H	C		VULCA			
Our Lab I.D.			AE72340		,				
Surrogates		Con.Limit	% Rec.						
					1				

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Diesel (C12-C23)	25.0	24.3	96	25.0	23.5	92	4.3		75-125	7

QC Batch Number: 04182000/04182000

	LCS	LCS	LCS	LCS/LCSD				T	T	
Analytes	Concen	Recov	% REC	% Limit						
TPH as Diesel (C12-C23)	25.0	23.8	96	75-125		-	 			
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2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Ordered By

Vulcan Materials Cor Calmat Div.
3200 San Fernando Road
Los Angeles CA 90065

Telephone: (323)258-2777 Attention: George Cosby

Number of Pages 13
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Job Number	order Date:	Client
14543	02/14/2000	VULCAN

Project Name: Hewitt Stormwater Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

pl Sellay Approved By: Roy

Cyrus Razmara, Ph.D. Laboratory Director

American Environmental Testing Laborate. / ...c.

14543 PAGE LOF

AETL JOB# 1

2634 North Nacmi Street, Burbank, California 91504, Phone (888) 288-AETL, (818) 845-8200 Fax (818) 845-8440

Time 0900 REMARKS Date 2-14-60 Time 0990 REQUESTED ZANALYSIS relephone: 323-258-277 CHAIN OF CUSTODY RECORD PRES. Received For Laboratory Dalivered By WATER WASTE WASTE OTHER **PROJECT** SAMPLE TYPE NUMBER: Date 2. 4-00 Time 09c0 Date 2-12-00 Time 1040 FAX: ☐ Rush SOIL CLIENT: VILLEM # Todasties - Clemet D.V. Sion NAME: VIOLET SOMD CONTAINER SIZEJTYPE 40ML LOS AMAGES CA. PLOGES X Normal 3200 San Farnando Rd. TIME AE69585 2-2-00 1040 DATE PERSON: Mr. GEOFFIC (USDA) Marketick LAB ID 2> Turn Around Time Relinquished By. OF-001 Collected By: SAMPLE ID ADDRESS:



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. Calmat Div 3200 San Fernando Road Los Angeles CA 90065

Telephone: (323)258-2777 George Cosby Attn:

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Project !	Name:	Hewitt	Stormwater	Sampling
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14543	02/14/2000	VULCAN

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Telephone: (323) 258-2777

Attn:

George Cosby

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George Cosby

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Amer. In Environmental Testing Lab atory Inc

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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Diy 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

4

Project Name:

Hewitt Stormwater Sampling

ABTL Job Number Submitted Client
14543 02/14/2000 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02222000/02222000

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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Cor-Calmat Biv 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

5

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client
14543 02/14/2000 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02212000/02212000

Our Lab I.D.	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ANALYTICAL RESULTS

Ordered By

Vulcan Matemals Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Stormwater Sampling

ARTI Job Number Submitted Slient
14543 02/14/2000 VULCAN

Method: 120.1, Conductance, Specific Conductance (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

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ANALYTICAL RESULTS

Ordered By

Yiilcan Maichals Co. Calmai Div 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted	Client
14543	02/14/2000	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000 / 02142000

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ANALYTICAL RESULTS

Ordered By

Vulcan Matcrials Co-Calmat Div. 3200 Şan Fernando Road Eos Angeles CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

<u>QUALITY CONTROL REPORT</u>

QC Batch Number: 02152000/02152000

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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co., Calmat Div.
3200 San Fernando Road
Los Angelts, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Stormwater Sampling

λE	TL Tob Number	Submitted	Client
	14543	02/14/2000	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

MS	M\$	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
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1.0	1.0	100	1.0	1.0	100	<1	80-120	<15	
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QC Batch Number: 02152000 / 02152000

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Lead	1.0	1.0	10∉	80-120				
Nickel	1.0	1.1	105	80-120			-	
Sodium	1.0	1.0	104	80-120	 			
Zinc	1.0	1.1	106	80-120		L		



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

10

Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted	Client
14543	02/14/2000	VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02212000/02212000

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number | Submitted | Client | 14543 | 02/14/2000 | VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

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Chemical Oxygen Demand	50.0	49.0	98	50.0	48.5	.97	1.0	80-120	<15	

QC Batch Number: 02142000/02142000

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Chemical Oxygen Demand	12	11	8.7	<15	100.0	101.0	101	80-120	



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LOS ATIQUES (CA 9000)
Los Angeles CA 90065

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted	Client
14543	02/14/2000	VULCAN

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel

QUALITY CONTROL REPORT

QC Batch Number: 02172000/02172000

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Telephone: (323)258-2777 Attn: George Cosby

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted	Client
14543	02/14/2000	VULCAN
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Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QUALITY CONTROL REPORT

QC Batch Number: 02222000 / 02222000

	MŞ	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
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Ethylbenzene	50.0	55.0	110	50.0	55.0	110	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	52.0	104	50.0	52.0	104	<1	75-125	<20	
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m,p-Xylenes	100.0	99.0	99	100.0	99.0	99	₹1	75-125	<20	

QC Batch Number: 02222000/02222000

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o-Xylene	50.0	53.0	106	75-125					
m,p-Xylenes	100.0	97.0	97	75-125					



Amei n Environmental Testing Lal atory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Maionals Co.-Calmar Div. 3200 San Femando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Stormwater Sampling

ARTI Job Number Submitted Client
14543 02/14/2000 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 02212000/02212000

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TPH as Diesel (C12-C23)	25.0	25.0	200	25.0	24.0		%	% Limit	% Limit	
					24.0	96	4.1	75-125	75-125	

QC Batch Number: 02212000/02212000

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TDL		Recov	% REC	% Limit	
TPH as Diesel (C12-C23)	25,0	25.0	100	75-125	
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ANNUAL REPORT

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDS)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit
 - Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
 - Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
 - Make additional copies of this form as necessary.

SO FORD X III				Chery p. et
DATE/TIME OF	Observers Name:	WERE UNAUTHORIZED		If YES to either
S	THE CASION	NOWDS OBSERVED?	TES GANO	question, complete
2 /E- 49 E- 14 D PM	Signature:	WEKE THEKE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	□ YES ZANO	reverse side.
QUARTER: OCT-DEC 99	Observers Name:	WERE INALITHORIZED		If YES to
DATE/TIME OF OBSERVATIONS	Title:	NSWDs OBSERVED?	□ YES □ 46	either question,
1) Accept 9:45 D PM	ture:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	□YES □WO	complete reverse side.
QUARTER: JAN-MARCH 00	Observers Name:	WERE IINALITUORIZED		If YES
DATE/TIME OF		NSWDs OBSERVED?	TYES THO	either question,
AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND COLD AND	Title: Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	□ YES ☐MÓ	complete reverse side.
QUARTER: APRIL-JUNE 00	Observers Name:	WERE INALITUORIZED		If YES to
DATE/TIME OF OBSERVATIONS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NSWDs OBSERVED?	□ YES □NO	either question;
4 /5 CS : D PM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	□YES (□WÓ	complete reverse side.

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES AN. ALKEPORT

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
 - Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge. Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
 - Make additional copies of this form as necessary.

			· (Incoording)		
Observation Date: October 57		1#1	#2	4.7	
1 1	Drainage Location Description		7.	#3	44
Title: V.	Observation Time	10 HO DA A.M.	 P.M.	. P.W.	P.W
Signature	Time Discharge Began Were Pollitants Obsessed	9 ⊠ ⊠ P.M.	 DD A.M.	W. S.	N. N.
	(If yes, complete reverse side)	YES ON DE	YES NO	YES NO	YES NO NO
Observation Date: November 2 1000		1,4	CŦ		
	Drainage Location Description		7#	#3	#4
Title: 10 1 1	Observation TIme	1 OC B A.M.	 D.C. A.M.	. N G	~ N.9
Signature	Time Discharge Began Were Pollutants Observed	: D P.M.	 DD P.M.		:
	(If yes, complete reverse side)	YES NO 🔀	YES NO	YES NO	YES NO NO
Observation Date: December \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		14	C#		
Observers Names	Drainage Location Description		7.4	8#	#4
Title Signature	Observation Time	7 : 3< D.M.	 □ □ P.M.	 D.D.	M. d
Signature	Time Discharge Began Were Pollutants Observed	: D P.M.	 P.M. A.M.		A.M.
	(If ves. complete reverse side)	YES T			: A.M.

YES NO YES NO]	0,#	7#		P.M.	. — — A.M.	P.M.		YES T NO T VES T
YES ON NO KES NO O		#2	- N		(1) :3 % (1)		A BOKAM.		
(If yes, complete reverse side)		1#	Drainage Location Description		Observation TIme			(If yes, complete reverse side)	4
		Observation Date: January 17 2000	Observers Name	Control Mallier	True.	1	Signature		

М М

YES 🗌

(If yes, complete reverse side) Time Discharge Began Were Pollutants Observed

1999-2000

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES ANNUAL REPORT

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
 - Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge, indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
 - Make additional copies of this form as necessary.

Observation Date: Eahman, (C. 2000	-	#1	#2	#3	#
	Drainage Location Description	1/80			
Observers Name:	Observation Time	C SO BAM.	 □ P.M.	 D C	P.M.
Title:	Time Discharge Began	P.M.	: D P.M.	 	W.
Signature:	Were Poilutants Observed (If yes, complete reverse side)	YES 🗆 NO🏋	YES UO	YES ON O	YES NO
Observation Date: March 2000		#	#2	#3	#
	Drainage Location Description				
~~	Observation Time	O G A MAN		 DC	A.A.
Title: VICE (DE)	Time Discharge Began	SSBAM.	: D P.M.	 P.M. A.M.	:.
Signature	Were Poliutants Observed (if yes, complete reverse side)	YES NO K	YES NO	YES NO	YES NO

Observation Date: April (2000		#1	#2	#3	#4
	Drainage Location Description				
Observers Name:	Observation Time	7 SAM	P.W.	 P.W.	 P.M.
Time	Time Discharge Began	G G AA.A.	. D.W.	: P.M.	.: DDC A.M.
Signature:	Were Pollutants Observed (If yes, complete reverse side)	YES NO DX	YES NO	YES NO	YES NO
			#2	£#	V#

A P. W.

P.M.

P.M.

0)

Observation Time

Drainage Location Description

Observation Date: May 2000

Observers Name:

Signature

Title:

#

#3

#

P.W.

P.M. A.M. اممام م

DD A.M.

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N CN

YES 🗌

Were Pollutants Observed

Time Discharge Began

ANN AL REPORT

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

Chen S	Describe additional/revised BMPs or corrective actions and their date(s) of Implementation NONE		Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation	
MANAGER SIGNATURE:	Describe deficiencies in BMPs or BMP implementation NONE		Describe deficiencies in BMPs or BMP implementation		Describe deficlencies in BMPs or BMP implementation		Describe deficiencies in BMPs or BMP implementation	
TITLE:	If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form	
L. Chiu	NO NO	N ES	No es		OV C	S S	S es	Sos
INSPECTOR NAME: Peter L. Ch	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?
EVALUATION DATE: 6 / 9 / 00	POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix Storage, Maintenance Area	Return Concrete, RAP, Parking Area	POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SW/PPP)		SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	

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STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

1999-2000 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 1999 through June 30, 2000

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, C, and D below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be filed) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 320 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

ROBERT TOM (213) 576-6753

E-mail: rtom@rb4.swrcb.ca.gov

GENERAL INFORMATION

4 19S002767

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

B. Facility WDID No:

C. Facility Operator Information:

Contact Person: MR GEORGE COSPY PETER CHILL (323) 258-2777

CALMAT CO 3200 SAN FERNANDO BLVD. LOS ANGELES, CA 90065

D. Facility Information:

Contact Person: Mailing Address:

MR. GEORGE COST (323) 258-2777

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

SIC Code(s):

4953 Refuse Systems

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SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D.	SA	MPLING A	AND ANAL	SIS EXEMP	TIONS AND RE	<u>EDUCTIONS</u>					
	1.	For the raccordar	reporting pe	riod, was you ctions B.12 or	r facility exemp	ot from collecteral Permit?	ting and a	analyzin	g samples fro	om two sto	rm events in
		YI	ES Go	to Item D.2			XXX	NO	Go to Sect	ion E	
	2.	Indicate copy of t	the reason the first pag	your facility is e of the appro	exempt from opriate certifica	collecting and tion if you ch	l analyzir eck boxe	ng sampl s ii, iii, iv	ies from two v, or v.	stor m ever	nts. Attach a
		i	Participat	ing in an Appr	oved Group M	onitoring Plai	n	Group	Name:		
		ii.	Submitted	i No Exposui	e Certification	n (NEC)		Date S	ubmitted:		<i>I</i>
			Re-evalua	ation Date:	1 1						
			Does faci	lity continue to	satisfy NEC o	conditions?		YES	☐ N	0	
		iii.	Submitted	l Sampling R	eduction Cert	ification (SR	(C)	Date S	ubmitted:		<u>/</u>
			Re-evalua	ation Date:	1 1						
			Does faci	lity continue to	satisfy SRC o	conditions?		YES	N	0	
		iv.	Received	Regional Boa	ard Certification	1		Certific	ation Date:		1
		v	Received	Local Agency	/ Certification			Certific	ation Date: _		
	3.	If you ch	ecked boxe	es i or iii above	e, were you sch	neduled to sa	mple one	e storm e	event during	the reportir	ng year?
		Y	ES Go	to Section E				NO	Go to Secti	on F	
	4.	If you ch	ecked boxe	s ii, iv, or v, g	o to Section F.						
E.	SAM	IPLING AI	ND ANALY	SIS RESULTS	<u> </u>						
	1.	یّ How mar	ny storm ev	ents did you s	sample?	_ 2		2.i or iii. a	t ach expla na above, only a		
	2.	Did you o	collect storred facility of	n water samp perating hours	les from the firs	st storm of the of the Gener	e wet sea al Permit	ason that	t produced a	discharge	during
		X	YES					NO	Attach exp	lanation	
	3.	How mar	ny storm wa	ater discharge	locations are	at your facility	/?	ONE			

F. QUARTERLY VISUAL OBSERVATIONS

1.	Sec	thorized Non-Storm Water Discharges stion B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water charges and their sources.
	a.	Do authorized non-storm water discharges occur at your facility?
		YES XXXX NO Go to Item F.2
	b.	Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers. Indicate "N/A" for quarters without any authorized non-storm water discharges.
		July -September YES NO N/A October-December YES NO N/A
		January-March YES NO N/A April-June YES NO N/A
	C.	Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information.
		 i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.
2.	Sect	outhorized Non-Storm Water Discharges tion B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the sence of unauthorized non-storm water discharges and their sources.
	a.	Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers.
		July -September X YES NO October-December X YES NO
		January-March X YES NO April-June XXXXX YES NO
	b.	Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?
		YES XXXX NO Go to item F.2.d
	c.	Have each of the unauthorized non-storm water discharges been eliminated or permitted? N/A
		YES NO Attach explanation
	d.	Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.
		 i. name of each unauthorized non-storm water discharge. ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during

	th	e first hour of dis	charge or, in t	he case of tempor	arily store	d or contained	storm water, at	the time of	discharge.
	1.	locations. At storm events	tach an expla	nthly visual observanation for any "Nager and the second for any scheduled faciling and title of the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for the second for	IO " a <mark>nsw</mark> ity operat	ers . Include in ing hours that o	n this explanation lid not result in a	n whether a n storm wat	any eligible er discharge,
		October	YES	NO 		February	YES	NO	
		November	下]			March			
		December				April	/		
		January				May	X_		
	2.	Report mont	hly wet seaso	n visual observatio	ons using	Form 4 or prov	vide the following	g informatio	n.
ANI	NUAL (b. name a c. charac d. a ny ne Provide	and title of obs teristics of the w or revised E e new or revis	ion of observation server discharge (i.e., od BMPs necessary to ed BMP implemen	reduce of tation dat	or prevent pollu e.	ce of any polluta tants in storm w	ints observ ater discha	ed. rges.
Н.		E CHECKLIST				, ,			
	June 3 be rev	0). Evaluations r	must be condu ented, as nece plete a ACSC	uires the facility op icted within 8-16 m ssary, within 90 da E. Indicate wheth	nonths of ays of the	each other. The evaluation. The	ie SWPPP and r ne checklist belo	nonitoring p w includes	orogram shall the minimum
	1. H	lave you inspecte he following area	ed all potential as should be ir	pollutant sources ispected:	and indu	strial activities	areas?X <mark>XX</mark> YE	S	NO NO
	•	areas where sethe last year. outdoor wash process/manu loading, unloa waste storage dust/particular erosion areas	and rinse are ufacturing area ading, and tran e/disposal area te generating	as. Isfer areas. Ias.	ıring	material sto vehicle/equ truck parkir rooftop equ vehicle fuel	pair, remodeling, prage areas ipment storage a ig and access ar ipment areas ing/maintenance water discharge	areas reas e areas	
				o to assure that its ndustrial activities		ldress existing	XXX <mark>XX</mark>] YE	s [По
	3. H	lave you inspecte s up-to-date? The	ed the entire fa e following site	cility to verify that map items should	the SWP d be verifi	PP's site map, ed:	XXXXX YE	ES [NO
	•	facility bounda outline of all s areas impacte	torm water dra	ainage areas	st	orm water colle ructural control	harges locations ection and conve measures such ent areas. oil/wa	yance syst as catch b	asins,

Have you reviewed all General Permit compliance records generated

since the last annual evaluation?

	The following records should be reviewed:				
	 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	•	water dischar Sampling and	uthorized non-storr ge visual observati d Analysis records maintenance inspe- ince records	ons
5.	Have you reviewed the major elements of the SWPPF compliance with the General Permit?	o to assu	re	XXXXX YES	МО
	The following SWPPP items should be reviewed:				
	 pollution prevention team list of significant materials description of potential pollutant sources 	•	identification a	of potential pollutan and description of t for each potential p	he BMPs to be
6.	Have you reviewed your SWPPP to assure that a) the in reducing or preventing pollutants in storm water disnon-storm water discharges, and b) the BMPs are being	charges	and authorized	XXXXX YES	Пио
	The following BMP categories should be reviewed:		,		
	 good housekeeping practices spill response employee training erosion control quality assurance 	•	preventative material hand waste handlir structural BM	lling and storage p ng/storage	ractices
7.	Has all material handling equipment and equipment no implement the SWPPP been inspected?	eeded to		XXXXX YES	NO
<u>ACS</u>	SCE EVALUATION REPORT				
The	facility operator is required to provide an evaluation rep	ort that ir	ncludes:		
•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions	•		mplementing SWPF of non-compliance	
Use	Form 5 to report the results of your evaluation or development	op an eq	uivalent form.		
<u>ACS</u>	SCE CERTIFICATION				
	facility operator is required to certify compliance with the fy compliance, both the SWPPP and Monitoring Program				
	ed upon your ACSCE, do you certify compliance with the vities Storm Water General Permit?	e Industri	al XXXXX	YES	NO
	u answered "NO" attach an explanation to the ACSCE pliance with the Industrial Activities Storm Water General			you are not in	

1.

J.

ATTACHMENT SUMMARY

Title: MANAGER, ENVIRONMENTAL AFFAIRS

Answer the questions below to help you determine what should be at Applicable) to questions 2-4 if you are not required to provide those a		l report. Answei	· NA (Not
1. Have you attached Forms 1,2,3,4, and 5 or their equivalent?	XXXXX YES (M	andatory)	
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports?	XXXXX YES	□ NO	☐ NA
3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	YES	□ №	XXXX NA
 Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? 	XXXXX YES	□ ио	☐ NA
ANNUAL REPORT CERTIFICATION			
I am duly authorized to sign reports required by the INDUSTRIA PERMIT (see Standard Provision C.9) and I certify under penal were prepared under my direction or supervision in accordance personnel properly gather and evaluate the information submitted who manage the system, or those person directly responsible for submitted is, to the best of my knowledge and belief, true, accusignificant penalties for submitting false information, including the violations.	ty of law that this d with a system des ed. Based on my in or gathering the infor tate and complete.	ocument and a igned to ensure or a the peopre of the peopre in a the ir armation, the ir armation of the the contraction.	Ill attachments e that qualified erson or persons oformation at there are
Printed Name: Peter Chiu			
Signature:		Date: <u>June 2</u>	26, 2000



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

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Telephone: (323)258-2777 Attention: George Cosby Number of Pages 12

Date Received 04/17/2000 Date Reported 04/28/2000

Job Number	Order Date	Client
15230	04/17/2000	VULCAN

Project Name: Hewitt Storm water

Site:

Hewitt/Calmat Self-Storage

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Willan Approved By:

Cyrus Razmara, Ph.D. Laboratory Director

Ar Ar

American Environmental Testing Labors ary Inc.

2834 Nxth Naorti Street, Burbank, California 91504, Phone (888) 288-AETL, (818) 845-8200 Fax (618) 845-840

AETL JOB# 15230 PAGE 1 OF

per Suran Date4-17-00 Time/601 REMARKS 111 Date 4-17-00 Time 1605 Involve Vulcan Materials Con-C. at Div. REQUESTED ANALYSIS ADDRESS: 3200 SAM FEYNAM du Rd., LOS ANGELES, DA. GLOBES TELEPHONE: 323-258-2 FAX: CHAIN OF CUSTODY RECORD 106 Received / Y For Laboratory PRES. Delivered By: WATER WASTE WASTE OTHER PROJECT SAMPLE TYPE Mr. George Caston NAME: HEWITH STORM WATERWINBER: - Date 4.17-00 Time 1605 Date 4-(7-00 Time/S/S ☐ Rush ğ [/B. H L/GEAM cuent: ValCan Moterials Co. - (Julhat Div. Hewith / Calmar Self-Storage 11/01 CONTAINER SIZEMYPE 70/1 (2) 40m Normal TIME 10572340 | 4-12-00 | 1515 DATE CAB ID Relinquished By Collected By: CONTACT PERSON: SAMPLEID OFCOI Turn A



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ANALYTICAL RESULTS

Ordered By

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Attn:

Telephone: (323)258-2777 George Cosby

Page

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Hewitt/Calmat Self-Storage

				AET	L Job Num	ber Su	bmitted	Client
Project Name: Hewitt St	torm water				15230	04	/17/2000	VULCAN
Our Lab I.D.							AE72340	
Client Sample I.D.						Method Blan	k OF-001	
Date Sampled						04/17/200	0 04/17/2000	
Matrix						Aqueous	Aqueous	
Analytes	Method	Units	MDL	PQL	Analyzed	Results	Results	
Specific conductance	120.1	umhos/cm	5.0	10.0	04/17/2000	ND	103	
рН	150.1	pH unit	0.01	0.01	04/17/2000	N/A	7.71	***************************************
Total Suspended Solids (TSS)	160.2	mg/L	5.0	10.0	04/19/2000	CLIK	258	······································
Calcium	200.7	mg/L	0.25	0.50	04/19/2000	ND	13.6	
ead	200.7	mg/L	0.05	0.10	04/19/2000	ND	0.15	
ickel	200.7	mg/L	0.01	0.05	04/19/2000	מא	0.0213	
Sodium	200.7	mg/L	0.25	0.50	04/19/2000	ND	4.1	
Zinc	200.7	mg/L	0.01	0.05	04/19/2000	ND	0.23	· · · · · · · · · · · · · · · · · · ·
Chloride	325.3	mg/L	0.5	1.0	04/18/2000	Й	5	
Biochemical Oxygen Demand (BOD)	405.1	mg/L	5.0	5.0	04/24/2000	ND	12	
Chemical Oxygen Demand	410.4	mg/L	5.0	10.0	04/21/2000	ND	77	
Oil and Grease	413.1	mg/L	0.5	1.0	04/18/2000	ND	6.1	
Benzene	602/M8015G	ug/L	0.25	0.50	04/27/2000	ND	ND	
Ethylbenzene	602/M8015G	ug/L	0.25	0.50	04/27/2000	ND	ND	
Toluene (Methyl benzene)	602/M8015G	ug/L	0.25	0.50	04/27/2000	ND	ND	
Xylenes (Total)	602/M8015G	ug/L	0.50	1.00	04/27/2000	ND	ND	
Methyl-tert-butyl ether (MTBE)	602/M8015G	uġ/L	0.50	1.00	04/27/2000	ND	ND	·
TPH as Gasoline and Light HC. (C4-C12)	602/M8015G	ug/L	5.0	10.0	04/27/2000	ND	סא	
TPH as Diesel (C12-C23)	M8015D	mg/L	0.1	0.5	04/18/2000	ND	ND	
TPH as Heavy Hydrocarbons (C23-C40)	M8015D	mg/L	0.1	0.5	04/18/2000	ND	0.7	
TPH Total as Diesel and Heavy HC.C12-C40	M8015D	mg/L	0.1	0.5	04/18/2000	ND	0.7	



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Site	
Hewitt/Calmat Self-Storage	7 2 2
· -	2 % 2

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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client			
15230	04/17/2000	VULCAN			

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Specific conductance	534	534	<1	<15	141.3	141.3	100	80-120	



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Page:

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Project Name:

Hewitt Storm water

AETL Job Numbe	r Submitted	Client
15230	04/17/2000	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Umit	
pH	7.34	7.34	<1	<15	7.0	7.0	100	80-120	



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Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Total Suspended Solids (TSS)	139	136	2.2	<15	100.0	94.0	94	80-120	



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3200 San Fernando Road		
Los Angeles, CA 90065-5	· .	

Hewitt/Calmat Self-Storage

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George Cosby

Page:

Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

	MS	MS	MS	MS DUP	MS DUP	MC DUD		<u> </u>		
Analytes	j .	-			MS DUP	MS DUP	RPD	MS/MSD	MSRPD	14
7	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Calcium	1.0	0.9	93	1.0	0.9	93	<1	80-120		· ·
Lead	1.0	1.0	99						<15	
Nickel				1.0	1.0	100	1.0	80-120	<15	
	1.0	1.0	100	1.0	1.0	100	<1	80-120	<15	
Sodium	1.0	0.8	81	1.0	0.9	86	6.0	80-120		
7inc	1.0	1.0	99	1.0					<15	
				1.0	1.0	98	1.0	80-120	<15	

QC Batch Number: 04192000/04192000

LCS	LCS	LCS	LCS/LCSD		T				T	T
Concen	Recov	% REC	% Limit							
1.0	1.0	103	80-120						<u> </u>	-
1.0	1.0	98	80-120	·		-		•		
1.0	1.0	102	80-120		 				ļ ·	ļ
1.0	1.0	104	80-120		!					ļ
1.0	1.0	102	80-120							
	Concen 1.0 1.0 1.0 1.0	Concen Recov 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Concen Recov % REC 1.0 1.0 103 1.0 1.0 98 1.0 1.0 102 1.0 1.0 104	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120



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ANALYTICAL RESULTS

Ordered By

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Site			
Hewitt/Calmat	Self-Storage	· .	

Attn:

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Page:

Project Name:

Hewitt Storm water

AETL Job Number	Job Number Submitted					
15230	04/17/2000	VULCAN				

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

		MS	MS	MS DUP	MS DUP	MS DUP	RPO	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chloride	20.0	20.0	100	20.0	20.0	100	<1	80-120	<15	

QC Batch Number: 04182000/04182000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD		
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit		
Chloride	276	276	<1	<15	20.0	20.0	100	80-120	M w	



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0-40-04 NJ	
Vulcan Materials CoCalmat Div.	
3200 San Fernando Road	
Los Angeles, CA 90065-5	

3 J. (CO			
Hev	witt/Calmat Self-Storage	17. 1	;	
•				

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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

	SM	\$M DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	<u> </u>	T .
Analytes	Result	Result	%	% Llmit	Concen	Recov	% REC	% Limit		
Biochemical Oxygen Demand (BOD)	12	12	<1	<15	200.0	190.0	95	80-120		
								<u> </u>		1



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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 04212000/04212000

	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	. =
Chemical Oxygen Demand	100.0	96.0	96	100.0	94.0	94	2.1	80-120	<15	

QC Batch Number: 04212000/04212000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Llmit	
Chemical Oxygen Demand	48	48	<1	<15	100.0	93.0	93	80-120	



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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	· % Limit				
Oil and Grease	10.0	10.6	106	80-120				



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Site

Hewitt/Calmat Self-Storage

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Project Name:

Hewitt Storm water

AETL J	ob Number	Submitted	Client
111 6 6 - 6 - 6 - 6	15230	04/17/2000	VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

	·	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		
Our Lab LD.		AE72340	·	7
Surrogates	Con.Limit	% Rec.		
Bromofluorobenzene	75-125	97		
Trifluorotoluene	75-125	101		

QUALITY CONTROL REPORT

QC Batch Number: 04272000/04272000

\.	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	M\$ RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Benzene	50.0	50.0	100	50.0	53.0	106	5.8	75-125	<20	
Ethylbenzene	50.0	57.0	114	50.0	54.0	108	5.4	75-125	<20	
Toluene (Methyl benzene)	50,0	47.0	94	50.0	47.0	94	<1	75-125	<20	
LCS										
o-Xylene	50.0	49.0	98	50.0	47.0	94	4.2	75-125	<20	
m,p-Xylenes	100.0	93.0	93	100.0	80.0	80	15.0	75-125	<20	

QC Batch Number: 04272000/04272000

				·	 	 	 	
•	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	% Limit				
Benzene	50.0	47.0	94	75-125				
Ethylbenzene	50.0	53.0	106	75-125				
Tolucne (Methyl benzene)	50.0	46.0	92	75-125				
LCS	1.							
o-Xylene	50.0	48.0	95	75-125				
m,p-Xylenes	100.0	85.0	85	75-125				



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Vulcan Materials Co 3200 San Fernando R	Calmat Div					Site						
Los Angeles, CA 9000		Hewitt/(Calmat :	Self-Stora	ge							
Telephone: (323)258 Attn: George C												
Page:	.2							,				
Project Name: H	ewitt Storm wate	- W		AETL		Number	Submitted	Clien				
Trojoutituito,					1523		04/17/2000	VULCA				
	Method: M	8015D, TPH a	s Diesel and H	leavy F	IC (C	12-C40)						
Our Lab I.D.		·	AE72346		¥ -	1						
Surrogates	Cor	.Limit	% Rec.									
Chlorobenzene		75-125	110	 								

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

	·									
	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
TPH as Diesel (C12-C23)	25.0	24.3	96	25.0	23.5	92	4.3	75-125		
									,,,,,	i

QC Batch Number: 04182000/04182000

	LCS.	LCS	LCS	LCS/LCSD		747024		Γ	
Analytes	Concen	Recov	% REC	% Limit					
TPH as Diesel (C12-C23)	25.0	23.8	96	75-125			 <u> </u>		
				L	<u> </u>		 !	1	1



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Vylcan Materials Co: Calmat Div
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Telephone: (323)258-2777 Attention: George Cosby

Job Number	Forder Date:	Client
14543	02/14/2000	VULCAN

Project Name: Hewitt Stormwater Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

pel Sellay Approved By: Re-Cyrus Razmara, Ph.D. Laboratory Director

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AETL JOB# _

2834 North Naomi Street, Burbank, California 91504, Phone (888) 288-AETL, (818) 845-8200 Fax (818) 845-8840

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2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Pax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Materials co : Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323) 258-2777 Attn: George Cosby

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Project Name	: Hewitt	Stormwater	Sampling
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AETL Job Number	Submitted	Client
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Ame san Environmental Testing La statory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Pax; (818) 845-8840

ANALYTICAL RESULTS

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Ordered By

Vulcan Materials Co. Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Client Sample I.D.

General Chemistry

Date Sampled

Specific conductance

General Chemistry

Total Suspended Solids (TSS)

General Chemistry

General Chemistry

Biochemical Oxygen Demand (BOD)

Matrix

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Analytes Method

Project Name: Hewitt Stormwater Sampling

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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: George Cosby

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AETL Job. Number.	- submitted	Client
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Calcium	200.7	mg/L	0.25	0.50	02/16/2000	מא	5.3	45 44
Lead	200.7	mg/L	0.05	0.10,	02/16/2000	מע	ND	
Nickel	200.7	mg/L	0.03	0.05	02/16/2000	ND	ND	
Sodium	200.7	mg/L	0.25	0.50	02/16/2000	ND	2.1	
Zinc	200.7	mg/L	0.01	0.05	02/16/2000	ND	ND	
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Amei n Environmental Testing Lat atory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Pax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. Calmat Div 3200 San Remando Road Los Angeles, CA 90005

Telephone: (323)258-2777 Attn: George Cosby

Page:

4

Project Name:

Hewitt Stormwater Sampling

AETL J	ob Number	Sub	mitt	ed	Client
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Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02222000/02222000

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uenzene	0.25	0.50	ND	ND	A-1-16- To D. A.I. II St. D. St House	all (*) de ll a 25° ca desarga (*	
Ethylbenzene	0.25	0.50	ND	ND			
Toluene (Methyl benzene)	0.25	0.50	ND	DΜ			
Xylenes (Total)	0.50	1.00	ND	מא			
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	ND			

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Trifluorotoluene	75-125		109	103			



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Cor-Calmat Div 3200 San Fernando Road Los Angeles CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

5

Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted	Client
14543	02/14/2000	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02212000/02212000

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TPH as Heavy Hydrocarbons (C23+)	0.1	0.5	MD	ND			
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2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co - Calmat Div. 3200 San Fernando Road Los Angeles CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

6

Project Name:

Hewitt Stormwater Sampling

AETL Tob Number Sub	mrcced	Glient
14543 02/	14/2000	VULCAN

Method: 120.1, Conductance, Specific Conductance (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

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Specific conductance	254	254	<1	<15	1413-0	1398.9	99	80-120	3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	677 474444



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: George Cosby

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted	Client
14543	02/14/2000	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000 / 02142000

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рН	7.35	7.36	<1	<15	7.0	7.1	101	80-120		



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: George Cosby

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

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Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

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Lead	1.0	1.0	100	1.0	1.0	100	<1	80-120	<15	
Nickel	1.0	1.0	99	1.0	1.0	100	1.0	80-120	<15	
Sodium	1.0	1.0	200	1.0	1.0	100	<1	80-120	<15	
Zinc	1.0	1.0	99	1.0	1.0	102	3.0	80-120	<15	

QC Batch Number: 02152000/02152000

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Load	1.0	1.0	104	80-120			
Nickel	1.0	1.1	105	80-120		 	
Sodium	1.0	1.0	104	80-120			
Zinc	1.0	1.1	106	80-120		 	



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ANALYTICAL RESULTS

Ordered By

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02212000/02212000

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Chloride	20.0	20.0	100	20.0	20.0	100	<1	80-120	<15	

C Batch Number: 02212000/02212000

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Chloride	2	2	<1	<15	20.0	20.0	100	80-120	



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

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Chemical Oxygen Demand	50.0	49.0	98	50.0	48.5	97	1.0	80-120	<15	

QC Batch Number: 02142000/02142000

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Chemical Oxygen Demand	12	11	8.7	<15	100.0	101.0	101	80-120	i 1 1		



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. Calmat Div.
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Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted -	Client
14543	02/14/2000	VULCAN

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel

QUALITY CONTROL REPORT

QC Batch Number: 02172000/02172000

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Oil and Grease	10.0	9.5	95	80-120					<u> </u>	



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

VulcaniMaterials Gör-Calmat Div 3200 San Fornando:Road Los Angeles, CA-90065

Telephone: (323)258-2777 Attn: George Cosby

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC QUALITY CONTROL REPORT

QC Batch Number: 02222000/02222000

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Ethylbenzene	50.0	55.0	110	50.0	55.0	110	<1	75-125	<20	
Toluene (Methyl benzene)	50.0	52.0	1.04	50.0	52.0	104	<1	75-125	<20	
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o-Xylene	50.0	54.0	108	50.0	54.0	108	ج1	75-125	<20	
m,p-Xylenes	100.0	99.0	99	100.0	99.0	99	<1	75-125	<20	

QC Batch Number: 02222000/02222000

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Analytes	Concen	Recov	% REC	% Limit						
Benzene	50.0	55.0	110	75-125						
Ethylbenzone	50.0	54.0	108	75-125						
Toluene (Methyl benzene)	50.0	51.0	102	75-125						
LGS	The state of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the 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o-Xylene	50.0	53.0	106	75-125						
m,p-Xylenes	100.0	97.0	97	75-125						



Amei .n Environmental Testing Lai .atory Inc.

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ANALYTICAL RESULTS

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Vulcan Materials Co.-Calmat Div. 3200 San Femando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Atm: George Cosby

Page:

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client
14543 02/14/2000 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 02212000/02212000

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TPH as Diesel (C12-C23)	25.0	25.0	200	25.0	24.0	96	4.1	75-125		
			\	<u> </u>			18 a 164	12,772	75-125	i

QC Batch Number: 02212000/02212000

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TPH as Diesel (C12-C23)	25.0	25.0	100	75-125		 	
1					 	 	

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ANNUAL REPORT

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDS)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
 - Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed. Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
 - Make additional copies of this form as necessary.

				in.
DATE/TIME OF OBSERVATIONS	Observers Name:	WERE UNAUTHORIZED NSWDs OBSERVED?	□ YES ©MO	If YES to either question.
S /2- 4 F & SAM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES PRO	complete reverse side.
QUARTER: OCT-DEC 99 DATE/TIME OF	Observers Name:	WERE UNAUTHORIZED NSWDs OBSERVED?	□ YES □MO	If YES to either
P. Acres 9: E PM	Title: Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?	TYES DATO	complete reverse side.
DATE/TIME OF	Observers Name:	WERE UNAUTHORIZED NSWDs OBSERVED?	TYES THO	If YES
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QUARTER: APRIL-JUNE 00	Observers Name:	WERE UNAUTHORIZED		If YES to
OBSERVATIONS 4 FF CS AM	Title: 61 s	NSWDS OBSERVED?	Yes	question, complete
	Signature)	PRIOR UNAUTHORIZED NSWDs?	□YES (□MO	side.

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES AN. ALKEPORT

Storm water discharge visual observations are required for at least one storm

event per month between October 1 and May 31.
 Visual observations must be conducted during the first hour of discharge at all discharge locations.

Discharges of temporarily stored or contained storm water must be observed at the time of discharge. Indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

Observation Date: October 27 1999		#1	#2	8#	
Observers Name	Drainage Location Description	3 S(· ·
Tille	Observation TIme	10 HO DAM.	D P.M.	₩. 2	M. P.M
Signatifie	Time Discharge Began	P.W.	 A.M.		
	(If yes, complete reverse side)	YES OO C	YES NO	YES NO	YES NO
Observation Date: November)		#1	£2	C#	
Ohservers Name	Drainage Location Description		ı	\$# #	‡
Title: 10 10 10 10 10 10 10 10 10 10 10 10 10	Observation Time	11 00 M A.M.	 DC	 D. P. M.	W)-U
Signature	Time Discharge Began	: D P.M.	.:] [] [] A. M.		A.M
	(If yes, complete reverse side)	YES NO 🔀	YES NO	YES NO	YES NO T
Observation Date: December 12 1999		#1	#2	#3	#4
Ohsenvers Name	Drainage Location Description				
Till of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	Observation Time	7 : 3< D P.M.	 P.M.	 M. 4	
Signature	Time Discharge Began	: DD P.M. A.M.	 P.M.		A.M.
	(If yes, complete reverse side)	YES ON DE	YES NO	YES NO	YES NO
Observation Date: January 177 2000		#1	<i>C#</i>		
1 /	Drainage Location Description			າ ⊭	#4
Title: <	Observation Time	11) :30 XX A.M.	 DD	 DD	P.M.
Sionature	Time Discharge Began	A B A.M.	 DC A. A.	. N. 2	
O'BIIGIGIO.	Were Pollutants Observed			. L A.Wi.	A.M.

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YES 🗌

(If yes, complete reverse side)

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES ANNUAL REPORT

- Storm water discharge visual observations are required for at least one storm
 - event per month between October 1 and May 31.

 Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge, indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

3		,#	C#		
Observation Date: February N 2000	Drainage Location Description	100	7,4	ν) #	#
Title.	Observation Time	P.W.	: D P.W.	 □□□ A.w.	 P.M.
Signature.	Time Discharge Began	P.M.	: D.M.	 □□ [N X
olgiature.	Were Pollutants Observed (if yes, complete reverse side)	YES NO K	YES NO	YES NO	YES NO
grang.					
Observation Date: March 2000	Drainage Location Description		#2	£#	#4
Ubservers Name:	Observation Time	.w.A \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	:	 DD	
	Time Discharge Began	S S KA.W.	:	 DD A. M.	:.
olgnature	Were Pollutants Observed (if yes, complete reverse side)	YES NO K	YES NO	YES NO	YES NO
Observation Date: April (2000		#1	#2	#3	#4
	Drainage Location Description				
Observers name:	Observation Time	D P.W.	: DD A.M.	 D.C.	A.w.
A	Time Discharge Began	G CS DA.M.	: D P.W.	 □□□ A.w.	 DDC
çiğilatule:	Were Pollutants Observed (if yes, complete reverse side)	YES ☐ NO []K	YES NO	YES NO	YES NO
Observation Date: May 2 2000		#1	#2	#3	#4
	Drainage Location Description		•		
Observers Name:	Observation Time	(P.M. IC	B.W.	 D.C.	 D D P.M.
Time.	Time Discharge Began	P.M.	 D. A.M.	 P.M. A P.M.	
Signature	Were Pollutants Observed	VEC T NO K] [NEO]]	

99-2000 ANNUAL REPORT

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

Ston	Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation		Describe additional/revised BMPs or corrective actions and their date(s) of implementation	
MANAGER SIGNATURE:	Describe deficiencies in BMPs or BMP implementation NONE		Describe deficiencies in BMPs or BMP Implementation		Describe deficiencies in BMPs or BMP implementation		Describe deficiencies in BMPs or BMP implementation	
TITLE:	If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form		If yes, to either question, complete the next two columns of this form	
. Chiu	NO NO	N S S	Ves	No Se	S S	, ES	NO ES	S S
INSPECTOR NAME: Peter L. Ch	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	, HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?
00	SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix Storage, Maintenance Area	Return Concrete, RAP, Parking Area	POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials CoCalm	BT Div.
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Project Name:

Hewitt Stormwater Sampling

	AFTL Job Number	Submitted	diclient
_	14543	02/14/2000	VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

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Lead	1.0	1.0	100	1.0	1.0	100	<1	80-120	<15	······································
Nickel	1.0	1.0	Q Q	1.0	1.0	100	1.0	80-120	<15	
Sodium	1.0	1.0	200	1.0	1.0	100	<1,	80-120	<15	
~inc	1.0	1.0	99	1.0	1.0	102	3.0	80-120	<15	

QC Batch Number: 02152000/02152000

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Zinc	1.0	1.1	106	80-120	· · · · · · · · · · · · · · · · · · ·				



Amer. n Environmental Testing Lat atory Inc.

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ANALYTICAL RESULTS

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Yulcan Matchals Co-Calmat Div. 3200 San Fernando Road Eos Angeles CA-90065

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Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted:	Client
14543	02/14/2000	VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

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Total Suspended Solids (TSS)	94	92	2.2	<15	100.0	98.0	98	80-120		



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Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted	Client
14543	02/14/2000	VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

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Ame. In Environmental Testing Lauratory Inc.

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ANALYTICAL RESULTS

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Project Name:

Hewitt Stormwater Sampling

AETI Job Number	Sub	mit	te		Client
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Method: 120.1, Conductance, Specific Conductance (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

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արարագրելու արագրագրանի առաջանագրանի հերանագրարագրացությանը արտարագրարագրացության և արարագրագրարագրացության հա
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Job Number	Forder:Date	Client
14543	02/14/2000	VULCAN

Project Name: Hewitt Stormwater Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Sullay Approved By: ____

Cyrus Razmara, Ph.D. Laboratory Director



Chlorobenzene

American Environmental Testing Laboratory Inc.

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2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered by			2116						
Vulcan Materials	CoCalmat Div.		Hewitt/C	almat	Self-Stora	Qe .			
3200 San Fernand	io Road								
Los Angeles, CA	90065-5								
Telephone: (323 Attn: Geor)258-2777 ge Cosby								
Atm. Geor	ge Cosby						*		
Page:	12								
			AETL	Job :	Number	Submitted	Clien		
Project Name:	Hewitt Storm water			1523	0	04/17/2000	VULCA		
	Method: M8015D,	TPH as Diesel and H	leavy F	IC (C	12-C40)				
Our Lab I.D.	-	AE72346	0	•	T				
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QUALITY CONTROL REPORT

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QC Batch Number: 04182000/04182000

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TPH as Diesel (C12-C23)	25.0	24.3	96	25.0	23.5	92	4.3	75-125	75-125		

QC Batch Number: 04182000/04182000

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Analytes	Concen	Recov	% REC	% Limit			} !
TPH as Diesel (C12-C23)	25.0	23.8	96	75-125			



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co: Calmat Div 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

5

Project Name:

Hewitt Stormwater Sampling

-	AETL Job Number	Submitted:	. Client
	14543	02/14/2000	VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02212000/02212000

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Matrix			Aqueous	Aqueous			
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Amei .n Environmental Testing Lai .atory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Pax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co - Calmat Div.
3200 San Fernando Road - Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

4

Project Name:

Hewitt Stormwater Sampling

AETL Job Number	Submitted	Client
14543	02/14/2000	VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02222000/02222000

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Lead	200.7	mg/L	0.05	0.10	02/15/2000	ממ	ND	
Nickel	200.7	mg/L	0.01	0.05	02/16/2000	ND	MD	
ndium	200.7	mg/L	0.25	0.50	02/16/2000	NTD .	2.1	
Zinc	200.7	mg/L	0.01	0.05	02/16/2000	ND	ND	
Chemical Oxygen Demand	410.4	mg/L	10	10	02/14/2000	ND	20	

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120.1	umhos/cm	5.0		02/14/2000	מא	85	
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160.2	rng/L	5.0	10.0	02/15/2000	ND	25	
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325.3	mg/L	0.5	1.0	02/21/2000	ND	2.0	
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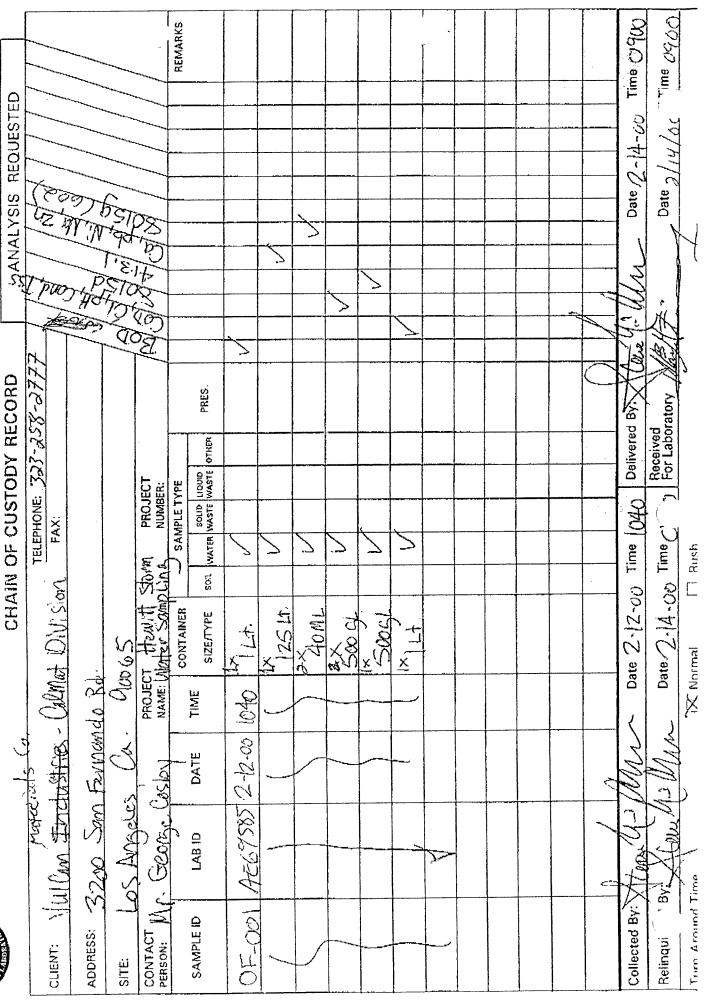
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Total Suspended Solids (TSS)	160.2	mg/L	5-0	10.0	02/15/2000	ND	25	*
neral-Chemistry	to a de Brit annelle in dell'ind	Carlo e sparin e en la company e en la company e en la company e en la company e en la company e en la company Carlo e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la company e en la c	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	gangt papasana spata - - papasan popula papasana garan pyrasanagan ti bahasi	Little beiden der engligt begigne b. 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nlonde	325.3	mg/L	0.5	1.0	02/21/2000	ND	2.0	
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Biochemical Oxygen Demand (BOD)	405.1	mg/L	5.0	5.0	02/19/2000	ממ	MD	

14543 PAGE 1_0E

AETL JOB#

2634 North Nacmi Street, Burbank, California 91504, Phone (868) 288-AETL, (818) 845-9200 Fax (818) 845-8840



ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be at Applicable) to questions 2-4 if you are not required to provide those a	tached to this annu ttachments.	al report. Answe	er NA (Not
1. Have you attached Forms 1,2,3,4, and 5 or their equivalent?	XXXXX YES (N	landatory)	
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports?	XXXXX YES	☐ NO	☐ NA
3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	YES	NO NO	XXXX NA
 Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? 	XXXXX YES	□ NO	NA NA
ANNUAL REPORT CERTIFICATION			
I am duly authorized to sign reports required by the INDUSTRIA PERMIT (see Standard Provision C.9) and I certify under penalty were prepared under my direction or supervision in accordance personnel properly gather and evaluate the information submitted who manage the system, or those person directly responsible for submitted is, to the best of my knowledge and belief, true, accurating significant penalties for submitting false information, including the violations.	y of law that this on with a system dest d. Based on my in r gathering the inf ate and complete.	locument and a signed to ensur- nquiry of the peo ormation, the ir I am aware th	all attachments that qualified erson or persons offormation
Printed Name: Peter Chiu			
Signature:		Date: <u>June 2</u>	6, 2000
Title: MANAGER, ENVIRONMENTAL AFFAIRS			

	The following records should be reviewed:			
	 quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities 	water dischar Sampling and	uthorized non-storm ge visual observatio I Analysis records maintenance inspect ance records	
5.	Have you reviewed the major elements of the SWPPP compliance with the General Permit?	to assure	XXXXXX YES	NO
	The following SWPPP items should be reviewed:			
	 pollution prevention team list of significant materials description of potential pollutant sources 	 identification : 	of potential pollutant and description of th for each potential po	e BMPs to be
6.	Have you reviewed your SWPPP to assure that a) the in reducing or preventing pollutants in storm water discinon-storm water discharges, and b) the BMPs are being	harges and authorized:	XXXXXX YES	NO
	The following BMP categories should be reviewed:			
	 good housekeeping practices spill response employee training erosion control quality assurance 	•		actices
7.	Has all material handling equipment and equipment no implement the SWPPP been inspected?	eded to	XXXXX YES	NO
AC:	SCE EVALUATION REPORT			
The	facility operator is required to provide an evaluation rep	ort that includes:		
•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions	schedule for iany incidentsactions taken	implementing SWPP of non-compliance a	P revisions and the corrective
Use	e Form 5 to report the results of your evaluation or devel	op an equivalent form.		
<u>AC</u>	SCE CERTIFICATION			
The cer	e facility operator is required to certify compliance with th tify compliance, both the SWPPP and Monitoring Progra	e Industrial Activities S n must be up to date a	torm Water General and be fully implemen	Permit. To nted.
Bas Act	sed upon your ACSCE, do you certify compliance with th ivities Storm Water General Permit?	e Industrial XXXXX	YES	NO

1.

J.

If you answered "NO" attach an explanation to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.



2834 North Naomi Street Burbank, CA 91504 - DOH\$ NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Site

Hewitt/Calmat Self-Storage

Ordered By	
Vulcan Materials CoCalmat Div.	
3200 San Fernando Pond	

Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

	AE72340	
Con.Limit	% Rec.	
75-125	97	
75-125	101	
	75-125	Con.Limit % Rec. 75-125 97

QUALITY CONTROL REPORT

Batch Number: 04272000/04272000

		r		Υ	r	,			
	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit
Benzene	50.0	50.0	100	50.0	53.0	106	5.8	75-125	<20
Ethylbenzene	50.0	57.0	114	50.0	54.0	108	5.4	75-125	≺20
Toluene (Methyl benzene)	50.0	47.0	94	50.0	47.0	94	<1	75-125	<20
LCS									
o-Xylene	50.0	49.0	98	50.0	47.0	94	4.2	75-125	<20
m,p-Xylenes	100.0	93.0	93	100.0	80.0	80	15.0	75-125	<20

QC Batch Number: 04272000 / 04272000

	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	% Limit				
Benzene	50.0	47.0	94	75-125				
Ethylbenzene	50.0	53.0	106	75-125				
Tolucne (Methyl benzene)	50.0	46.0	92	75-125		 ······································	 	
LCS	· .							
o-Xylene	50.0	48.0	96	75-125				
m,p-Xylenes	100.0	85.0	85	75-125			 	

JIJA



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ANALYTICAL RESULTS

Ordered By	Site	
Vulcan Materials CoCalmat Div.	Hewitt/Calmat Self-Storage	
3200 San Fernando Road		
Los Angeles, CA 90065-5		

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

	LCS	LCS	LCS	LCS/LCSD				
Analytes	Concen	Recov	% REC	ì		10	ļ	
Oil and Grease	10.0	10.6	106	80-120				



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ANALYTICAL RESULTS

Ordered By			
Vulcan Materials CoCalmat	Div.		
3200 San Fernando Road			
Los Angeles, CA 90065-5		•	

Site
Hewitt/Calmat Self-Storage

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Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 04212000/04212000

	MS	MS	M\$	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	
Chemical Oxygen Demand	100.0	96.0	96	100.0	94.0	94	2.1	80-120	<15	

Batch Number: 04212000/04212000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chemical Oxygen Demand	48	4.8	<1	<15	100.0	93.0	93	80-120	



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ANALYTICAL RESULTS

Ordered By	
Vulcan Materials CoCalmat Div.	
3200 San Fernando Road	
Los Angeles, CA 90065-5	

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H	ewitt/Calmat Self-Storage	+ <i>t</i> + +	
-			

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Storm water

AETL Job Number	Submitted	Client
15230	04/17/2000	VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Llmit	Concen	Recov	% REC	% Limit	
Biochemical Oxygen Demand (BOD)	12	12	<1	<15	200.0	190.0	95	80-120	



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ANALYTICAL RESULTS

Site

Hewitt/Calmat Self-Storage

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attn: George Cosby

Page:

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Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

- 1												
İ	Amatin	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	T .	7
1	Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	1	
Į	Chloride	20.0	20.0	100	20.0	20.0	100	<1	80-120	<15 <		
											i l	ſ

Batch Number: 04182000/04182000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes Chloride	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Chlotide	276	276	<1	<15	20.0	20.0	100	80-120	



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ANALYTICAL RESULTS

Orde	pered	By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5

Hewitt/Calmat Self-Storage

Atm:

Telephone: (323)258-2777 George Cosby

Page:

Project Name:

Hewitt Storm water

ABTL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

·	MS	MS	MS	MS DUP	MS DUP	MS DUP	RPD	MS/MSD	MS RPD	
Analytes	Concen	Recov	% REC	Concen	Recov	% REC	%	% Limit	% Limit	11
Calcium	1.0	0.9	93	1.0	0.9	93	<1	80-120	<15	
Lead	1.0	1.0	99	1.0	1.0	100	1.0	80-120	<15	
Nickel	1.0	1.0	100	1.0	1.0	100	<1	80-120	<15	
Sodium	1.0	0.8	81	1.0	0.9	86	6.0	80-120	<15	
Zinc	1.0	1.0	99	1.0	1.0	98	1.0	80-120	<15	

QC Batch Number: 04192000/04192000

LCS	LÇŞ	LCS	LCS/LCSD				<u> </u>	
Concen	Recov	% REC	% Limit	,				
1.0	1.0	103	80-120			- 	-	
1.0	1.0	98	80-120		_			
1.0	1.0	102	80-120		 		 	
1.0	1.0	104	80-120		 -		+	
1.0	1.0	102	80-120			- 	-	
	Concen 1.0 1.0 1.0 1.0	Concen Recov 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Concen Recov % REC 1.0 1.0 103 1.0 1.0 98 1.0 1.0 102 1.0 1.0 104	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120	Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120



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ANALYTICAL RESULTS

Ordered By Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road

Los Angeles, CA 90065-5

Site

Hewitt/Calmat Self-Storage

Telephone: (323)258-2777 Attn:

George Cosby

Page:

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230. 04/17/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Llmit	Concen	Recov	% REC	% Limit	
Total Suspended Solids (TSS)	139	136	2.2	<15	100.0	94.0	94	80-120	



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div.

3200 San Fernando Road Los Angeles, CA 90065-5 Site

Hewitt/Calmat Self-Storage

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George Cosby

Page:

Project Name:

Hewitt Storm water

Submitted Client AETL Job Number 15230 04/17/2000 VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Llmit	
pH	7.34	7.34	<1	<15	7.0	7.0	100	80-120	



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ANALYTICAL RESULTS

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3200 San Fernando Road Los Angeles, CA 90065-5

Hewitt/Calmat Self-Storage

Attn:

Telephone: (323)258-2777 George Cosby

Page:

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

	SM	SM DUP	RPD	SM RPD	LCS	LCS	LCS	LCS/LCSD	
Analytes	Result	Result	%	% Limit	Concen	Recov	% REC	% Limit	
Specific conductance	534	534	<1	<15	141.3	141.3	100	80-120	



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ANALYTICAL RESULTS

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Site

Hewitt/Calmat Self-Storage

				AET	L Job Num	ber Sul	omitted	Client
Project Name: Hewitt St	orm water				15230	04,	/17/2000	VULCAN
Our Lab I.D.				,			AE72340	11.
Client Sample I.D.						Method Blank	OF-001	
Date Sampled				.,,		04/17/2000	04/17/2000	
Matrix						Aqueous	Aqueous	
Analytes	Method	Units	MDL	PQL	Analyzed	Results	Results	
Specific conductance	120.1	umhos/cm	5.0	10.0	04/17/2000	ND	103	
pH	150.1	pH unit	0.01	0.01	04/17/2000	N/A	7.71	
Total Suspended Solids (TSS)	160.2	mg/L	5.0	10.0	04/19/2000	ЯID	258	
Calcium	200.7	mg/L	0.25	0.50	04/19/2000	ND	13.6	, Jan 19
Lead	200.7	mg/L	0.05	0.10	04/19/2000	ND	0.15	
Nickel	200.7	mg/L	0.01	0.05	04/19/2000	СИ	0.021J	\
Sodium	200.7	mg/L	0.25	0.50	04/19/2000	ИD	4-1	
Zinc	200.7	mg/L	0.01	0.05	04/19/2000	ND	0.23	
Chloride	325.3	mg/L	0.5	1.0	04/18/2000	ĊИ	5	
Biochemical Oxygen Demand (BOD)	405.1	mg/L	5.0	5.0	04/24/2000	ND	12	
Chemical Oxygen Demand	410.4	mg/L	5.0	10.0	04/21/2000	ЙЙ	77	
Oil and Grease	413.1	mg/L	0.5	1.0	04/18/2000	ND	б.1	
Benzene	602/M8015G	ug/L	0.25	0.50	04/27/2000	ND	ND	7.1
Ethylbenzene	602/M8015G	ug/L	0.25	0.50	04/27/2000	מא	סמ	
Toluene (Methyl benzene)	602/M8015G	ug/L	0.25	0.50	04/27/2000	ND	ND	
Xylenes (Total)	602/M8015G	ug/L	0.50	1.00	04/27/2000	ND	ND	
Methyl-tert-butyl ether (MTBE)	602/M8015G	ug/L	0.50	1.00	04/27/2000	ND	ND	
TPH as Gasoline and Light HC,	602/M8015G	ug/L	5.0	10.0	04/27/2000	ND	סא	
(C4-C12)								
TPH as Diesel (C12-C23)	M8015D	mg/L	0.1	0.5	04/18/2000	ND	מא	
TPH as Heavy Hydrocarbons	M8015D	mg/L	0.1	0.5	04/18/2000	ND	0.7	
(C23-C40)								
TPH Total as Diesel and Heavy HC.C12-C40	M8015D	mg/L	0.1	0.5	04/18/2000	ND	0.7	

AETL JOB# 15230 PAIN LOF

For Laboratory Med Sulan Date 4-17-00 Time 604 REMARKS 11 Date 4-17-00 Time 1605 Involve Vulcan Materials Con-Callmatory. ANALYSIS REQUESTED TELEPHONE: 323-258-277 ADDRESS: 3200 San Fernando Rd., LOS Angeles, Ca. Acobs, CHAIN OF CUSTODY RECORD 106 Delivered By: WATER WASTE WASTE OTHER My. George Caston NAME: HEWITH Storm WitternUMBER: SAMPLE TYPE _____ Date 4.17-00 Time 1605 Date 4-(7-00 Time/S/S FAX ☐ Rush हु cuent: ValCam Morterials Co. - (JalMat Div. Haust / Calmat Self-Storage 1 / B. I. 11./GLAM CONTAINER SIZE/TYPE 11/01 17/05 (2)|40m/l Normal N AE72340 4-12-00 1515 TIME DATE LAB ID Turn Around Time Relinquished Bet Collected By: OFCOI CONTACT PERSON: SAMPLEID SITE



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Vulcan Materials Co.-Calmat Div.

3200 San Fernando Road Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attention: George Cosby Number of Pages 12

Date Received 04/17/2000

Date Reported 04/28/2000

	184	
Job Number	Order Date	Client
15230	04/17/2000	VULCAN

Project Name: Hewitt Storm water

Site:

Hewitt/Calmat Self-Storage

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Surlan Approved By: CRo

Cyrus Razmara, Ph.D.

Laboratory Director

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Н.

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur ng ge.

		the f	Indicate belo locations. At storm events	w whether natach an exp	n the case of ten nonthly visual ob planation for an uring scheduled e, name and title	servation y "NO" a facility op	ns of stor answers perating l	rm water d . Include i	ischarges occur in this explanation did not result in	red at <u>al</u> on wheth a storm	II discharge ner any eligible water discharge
			October	YES	NO		Fe	ebruary	YES		ОИ
			November				Ma	arch	$\overline{\Box}$]	
			December				Ap	oril		[
			January				Ma	ау	X	[
		2.	Report mont	hly wet seas	son visual obser	vations us	sing Fo r	m 4 or pro	vide the following	ng inform	nation.
AN	NUAL	. COI	b. name a c. charac d. any ne Provide	and title of ol teristics of the woor revised enewor rev	ation of observa bserver ne discharge (i.e I BMPs necessa ised BMP impler	e., odor, co ry to redu mentation	ice or pr i date.	event polli	rce of any pollut utants in storm v	ants obs vater dis	erved. charges.
Н.	<u>ACS</u>	CE C	<u>HECKLIST</u>								
	June be re steps	: 30). :vised : nece	Evaluations n and impleme	nust be cond nted, as ned plete a ACS(essary, within 9 CE. Indicate wh	l6 months 0 days of	of each	n other. Th luation. Tl	ne SWPPP and he checklist belo	monitorii ow includ	ng program shall des the minimum
	1.	Have The	you inspecte following area	d all potentia s should be	al pollutant sourd inspected:	ces and ir	ndustrial	activities	areas?X <mark>XX</mark> YE	ES	NO
		• (areas where s the last year. outdoor wash process/manu oading, unload waste storage/ dust/particulate erosion areas.	and rinse are facturing are ding, and tra disposal are	eas. Insfer areas. eas.	d during	nvtrrcv	naterial sto ehicle/equ ruck parkir poftop equ ehicle fuel	pair, remodeling prage areas prage areas proment storage ng and access a proment areas proment areas promented ing/maintenance	areas reas e areas	
	2.	Have poter	you reviewed Itial pollutant s	your SWPP sources and	PP to assure that industrial activiti	t its BMPs ies areas'	s addres ?	s existing	XXX XX YE	ES	□ NO
	3.	Have is up-	you inspected to-date? The	d the entire following sit	acility to verify the map items sho	hat the SV ould be ve	NPPP's erified:	site map,	XXXXX YE	ΞS	NO
		• 0	acility boundar outline of all store reas impacted	orm water dr	rainage areas	•	storm v	water colle	narges locations ction and conve measures such	yance sy	

Have you reviewed all General Permit compliance records generated since the last annual evaluation?

berms, containment areas, oil/water separators, etc.

ОИГ

F. QUARTERLY VISUAL OBSERVATIONS

۱.	Sect	thorized Non-Storm Water Discharges ction B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water charges and their sources.						
	a.	Do authorized non-storm water discharges occur at your fa	cility?					
		YES XXXX NO Go to Item F	.2					
	b.	Indicate whether you visually observed all authorized non-s during the quarters when they were discharged. Attach an "N/A" for quarters without any authorized non-storm water of	explanation for any "NO" answers. Indicate					
		July -September YES NO N/A Oc	tober-December YES NO N/A					
		January-March YES NO N/A Ap	ril-June YES NO N/A					
	C.	Use Form 2 to report quarterly visual observations of authororovide the following information.	orized non-storm water discharges or					
		 i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water iv. characteristics of the discharge at its source and impact name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevised barges. Provide new or revised BMP implementation 	cted drainage area/discharge location rent pollutants in authorized non-storm water					
2.	Sect	nauthorized Non-Storm Water Discharges ection B.3.a of the General Permit requires quarterly visual obsesence of unauthorized non-storm water discharges and their second	ervations of all drainage areas to detect the sources.					
	a.	Indicate whether you visually observed all drainage areas to storm water discharges and their sources. Attach an explanation of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the story of the sto	o detect the presence of unauthorized non- anation for any "NO" answers.					
		July -September X YES NO Oc	tober-December X YES NO					
		January-March X YES NO Ap	ril-June XXXXX YES NO					
	b.	Based upon the quarterly visual observations, were any un	authorized non-storm water discharges detected?					
		YES XXXX NO	O Go to item F.2.d					
	C.	Have each of the unauthorized non-storm water discharge	es been eliminated or permitted? N/A					
		YES NO	Attach explanation					
	d.	Use Form 3 to report quarterly unauthorized non-storm was following information.	ater discharge visual observations or provide the					
		following information. i. name of each unauthorized non-storm water discharge. ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.						

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

E.

<u>S/</u>	AMPLING A	AND ANALYSIS EXEMPTIONS AND REDUCTIONS			
1.		eporting period, was your facility exempt from collec ace with sections B.12 or 15 of the General Permit?	ting and	analyzing	g samples from two storm events in
	YE	Go to Item D.2	XXX	NO	Go to Section E
2.	Indicate t copy of th	the reason your facility is exempt from collecting and ne first page of the appropriate certification if you ch	l analyzi eck boxe	ng samples ii, iii, iv	es from two storm events. Attach a , or v.
	i	Participating in an Approved Group Monitoring Plan	า	Group	Name:
	ii.	Submitted No Exposure Certification (NEC)		Date Su	ubmitted://
		Re-evaluation Date: //			
		Does facility continue to satisfy NEC conditions?		YES	□ №
	iii.	Submitted Sampling Reduction Certification (SR	C)	Date Su	bmitted://
		Re-evaluation Date:/_/			
		Does facility continue to satisfy SRC conditions?		YES	NO NO
	iv.	Received Regional Board Certification		Certifica	tion Date: ///
	v	Received Local Agency Certification		Certifica	tion Date://
3.	If you che	cked boxes i or iii above, were you scheduled to sar	nple o ne	storm ev	vent during the reporting year?
	YE	S Go to Section E		NO	Go to Section F
4.	If you ched	cked boxes ii, iv, or v, go to Section F.			
SAM	IPLING AND	D ANALYSIS RESULTS			
1.	How many	i		.i or iii. ab	ach explanation (if you checked bove, only attach explanation if you
2.		ellect storm water samples from the first storm of the facility operating hours? (Section B.5 of the Genera			oroduced a discharge during
	X YE	ES		NO	Attach explanation
3.	How many	storm water discharge locations are at your facility?	? C	NE	

1999-2000 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 1999 through June 30, 2000

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, C, and D below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be filed) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 320 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

ROBERT TOM (213) 576-6753

E-mail: rtom@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

B. Facility WDID No:

4 19S002767

C. Facility Operator Information:

Contact Person: MR GEORGE COSEN PETER CHILL

(323) 258-2777

CALMAT CO

3200 SAN FERNANDO BLVD.

LOS ANGELES, CA 90065

D. Facility Information:

Contact Person:

Mailing Address: MR. GEORGE COSBY

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

(323) 258-2777

SIC Code(s): 4953

Refuse Systems

State of California State Water Resources Control Board NOTICE OF INTENT

For Existing Couliby Operators



For Existing Facility Operators

TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 97-03-DWQ)

This Notice of Intent (NOI) is being sent to all facility operators that were enrolled under the prior Industrial Storm Water General Permit that has now expired. A new General Permit has been adopted to replace the expired one. To enroll under the new General Permit, review this NOI (and make any necessary corrections), sign the CERTIFICATION on the reverse side, and return this original NOI within 45 days of receipt to: STORM WATER NOI PROCESSING UNIT, STATE WATER RESOURCES CONTROL BOARD, PO BOX 1977, SACRAMENTO, CA 95812-1977

FACILITY OPERATOR INFORMATION:	WDID:	4B19S0	0276
NAME: CAL MAT PROPERTIES	CONTA		
STREET: 3200 SAN FERNANDO BLVD.	MR. G	EORGE (213) 25	
CITY, STATE, ZIP: LOS ANGELES, CA 90065	_		
FACILITY LOCATION:	County	: Los Ar	ngeles
NAME: HEWITT LANDFILL (CLOSED)	CONTA	CT & PI	
STREET: 7361 LAUREL CANYON BLVD.	WIT. C	(213) 25	
CITY, STATE, ZIP: LOS ANGELES, CA 91605	-		
FACILITY MAILING ADDRESS: (IF DIFFERENT THAN FACILITY LOCATION)		97 1	
STREET OR POST OFFICE BOX:		AUG I	
CITY, STATE, ZIP:		8	
ADDRESS FOR CORRESPONDENCE - SEND TO: (CHECK ONE)	高 名		
[] Facility Operator Address [] Facility Mailing Address [] Both	15.0	9	
BILLING ADDRESS INFORMATION - SEND TO: (CHECK ONE)			
[X] Facility Operator Address [] Facility Mailing Address [] Other (enter below)			
NAME:			
STREET:			
CITY, STATE, ZIP:			
CONTACT PERSON: PHONE:			
SIC(S) OF REGULATED ACTIVITY:			

(CERTIFICATION continued on the reverse side)

4953

Refuse Systems

CERTIFICATION:

WDID: 4B19S002767

"I certify under penaty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit, including the development of and implementation of a Storm Water Pollution Prevention Plan and a Monitoring Program Plan, will be complied with."

Printed Name: Thomas J. Lowry		
Signature: Arna Jen	Date:	6/05/97
Title: Manager, Environmental Affairs		

MR. GEORGE COSBY CAL MAT PROPERTIES 3200 SAN FERNANDO BLVD. LOS ANGELES, CA 90065

For State Water Board Use

ANNUAL REPORT

FOR

STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

STATEWIDE GENERAL PERMIT - WQ ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001)
OR THE
SANTA CLARA COUNTY GENERAL PERMIT - BOARD ORDER NOS. 92-011 & 92-116 (NPDES CAG12001)

Please provide the following information. Provide a brief explanation, on a separate sheet(s), to all questions you have answered with a NO response, and to those questions that request additional information. Attach the separate sheets as an addendum to your report. If you have any questions regarding this report please contact your local Regional Water Quality Control Board (Regional Board), or the State Water Resources Control Board (State Board) (see Attachment I).

This report requires that you provide an accurate and honest assessment of your facility's status of compliance with the storm water program. All incidents of non-compliance are to be reported. Provide a brief explanation of the incident that resulted in the non-compliance. Include in this discussion what you will do, or how you intend to bring your facility into compliance along with a time schedule for implementation of your actions.

This report must be certified and signed, under penalty of perjury, that the information provided in this report is true and complete. The certification must be sign by an appropriate official of your company (see Section C.9).

GENERAL OWNER/FACILITY INFORMATION:

A.	Facility WDID No: 48195002767			
B.	Facility/Site Information:			
-	Name: SEE NOI	County:		Programme Commencer
	Street Address: 736/ Laure/Cyn Blvd. City: North Hollywood) "
	City: North Hollywood	State: CA	Zip: 9/	1605
?	SIC Code(s): 9999		·	
	Describe your business activities: Landfill (c.	losed)		
	Mailing Address: SEE NOZ			
	City:	State:	Zip:	
	Contact Person:	Phone: ()		
C.	Is your facility part of a Group Monitoring Plan?YesYes	No		
	If Yes, please answer the following questions:			
	- What is the Group Monitoring Plan's name:			
	- Is your facility designated to collect storm water samples?	YesNo		
D.	Has your facility been approved for exemption to storm water:YesNo	sample collection (Sectio	n B.9.a,b and	i c)?
	If Yes, were you: self-certified certified by	a local agency?		
	Provide the date you submitted your certification to the Region	al Board office:		

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1.	Is all the information contained in your NOI current and correct, i.e. facility address, contact name, phone number, etc.? YesNo
	If NO, please submit a revised NOI to the State Board with a copy to your Regional Board.
	Have you prepared a Storm Water Pollution Prevention Plan (SWPPP) as required in Section A of the Permit? YesNo
3.	Have you implemented all elements of your SWPPP?No
4.	Have all non-storm water discharges been permitted or eliminated (Section A.6)? YesNo
	If No, have you reported all the non-storm water discharges to the appropriate Regional Board office?YesNo
5 .	Have you developed a monitoring program as required in Section B of the Permit?No
6.	Have you implemented all the elements of your monitoring plan?No
7.	Did you conduct an annual site inspection (Section B.5.a)? YesNo
	If Yes, what date was it conducted: $6-1-93$, and by whom $\frac{T_{on}}{L_{vero}}$. Please provide a brief summary of your inspection findings. $swpp = 6eing fellowed$
8.	Did you conduct monthly visual wet weather inspections (Section B.5.c)? Yes No
	If Yes, please indicate the storm water discharge points that were inspected, and provide the following information for each point: 2-26-73 e 8 mm Date and time of inspection. Include a sketch or site plan of the facility showing all the points of discharge. Indicate on this sketch or plan which points of discharge were monitored. Storm water flow characteristics observed per discharge point. For example was the flow discolored, very turbid; did it have an odor, evidence of floating or suspended material; did it have a sheen; or any other unusual characteristics? If none of these types of flow characteristics were observed, please proceed to the next question. If they were, please discuss the corrective actions taken or to be taken.
9.	Did you conduct dry season site inspections (Section B.5.b)? Yes No
	If Yes, please provide the number of storm water discharge points observed, and provide the following for each point:
	 a. Date and time of inspection, and a sketch or site map as indicated under question number 8. b. Was there a dry weather (non-storm water) flow occurring at the time of inspection? No. If yes, please provide the following:
	i. Is the flow subject to a NPDES permit?YesNo If no proceed to item ii. If yes, what is the Board Order No, proceed with discussion of next discharge.
	ii. Did you report the non-storm water discharge to the Regional Board?YesNo If no, did you address this flow under Question No. 4?YesNo If no, revise your answer to No. 4. If yes, and you have addressed items iii-v below, proceed with discussion of next discharge. Otherwise amend your answer to No. 4 to include a discussion of items iii-v, and proceed.
	iii. Description of the flow characteristics, i.e. odor, color, etc.
	iv. Possible source of flow.
	v. Corrective action taken. If no action has been taken, please discuss what actions will be taken to eliminate the non-

storm water discharge.

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10.	sne	a separate sheet, evaluate the effectiveness of the facility's SWPPP and Best Management Practices (BMPs). Discuss cific areas or elements of the SWPPP that are or are not effective. For plans that were not effective, provide alternatives proposed revisions to the SWPPP that will be implemented as a result of your monitoring program.
	mor pres	mples of the types of questions this discussion should answer are: Did the SWPPP work? Where did it fail? Are there re discharge points than originally identified? Did the BMPs work effectively; if not why? What types of pollutants are sent in the facility's storm water runoff, and what are their potential sources; and did you implement appropriate BMPs to trol these pollutants?
		and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o
11.	а.	Did you collect storm water samples (Section B.5.d)? Yes No
		If No, explain way you were unable to collect samples.
	b.	If No, explain way you were unable to collect samples. How many storm water discharge points does your facility have?
	C.	If you collected samples, did you monitor all storm water discharge points (Section B.11)?YesNo
		If No, have you documented in your monitoring program that the storm water discharges from different locations are substantially identical?YesNo
		If No, please update your Monitoring program and provide the documentation as an addendum to this report.
	d.	Please complete the table provided on Page 5 of this report for each discharge point monitored. You should copy page 5 if you will need additional blank tables. Add to the list of constituents any toxic or other pollutants included in your monitoring program.
?	e.	Is your facility identified under Category 1 of Attachment 1 of the General Permit as a facility that is subject to Federal Effluent Storm Water Guidelines?YesNo
		If Yes, please provide the following information. If No. please proceed to the next question.
		The Guidelines for your facility are listed in 40 CFR Subchapter N, Part
		- Were samples collected in accordance with the Federal requirements?YesNo
		If No, please provide an explanation. If Yes, please answer the following:
		Did the sample analytical results indicate that any of the applicable effluent limits had been exceeded?No
		If Yes, please provide the following information for each pollutant exceeding the effluent limitation:
		 Storm Water Discharge Point sample collected. Constituent analyzed. Federal Storm Water Effluent Guideline
		 Sample Result A brief explanation
12	. Do	you certify (as indicated on page 4) that, based on your annual site inspection, your facility is in compliance with the direments of the Permit and your SWPPP? YesNo

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CERTIFICATION

I am a person duly authorized to sign reports required by the STATEWIDE INDUSTRIAL GENERAL PERMIT or the SANTA CLARA COUNTY GENERAL PERMIT (Section C.9), and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: Sort Cobby		
Signature	Date: 6 30	93
Title:		

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11. d. Sampling Results. Please complete the following table for each discharge point monitored. Add to the list of constituents any toxic or other pollutants included in your monitoring program.

CONSTITUENT	DISCHARGE POINT	TYPE OF SAMPLE®	DATE & TIME SAMPLE COLLECTED ⁽²⁾	RESULTS ⁽³⁾	LABORATORY DETECTION LIMIT
рH				(pH units)	
TSS				mg/l	
SPECIFIC CONDUCTANCE				μohms/cm	
OIL & GREASE				mg/l	
тос				mg/l	
FLOW ⁽⁴⁾ (IF APPLICABLE)				gallons	
SIZE OF STORM (IF AVAILABLE)				inches	
			د		

SEE ATTACHMENT

(1) ENTER IF THE SAMPLE WAS A GRAB (GR) OR COMPOSITE (C); IF THE SAMPLE WAS COLLECTED MANUALLY (M) OR WITH AN AUTOMATIC SAMPLER (AS). IF THE SAMPLE WAS A COMPOSITE PLEASE INDICATE IF IT WAS A TIME (TC) OR FLOW(FC) WEIGHTED COMPOSITE SAMPLE.

A GRAB SAMPLE IS AN INDIVIDUAL SAMPLE COLLECTED IN LESS THAN 15 MINUTES. SECTION B.12 OF THE PERMIT REQUIRES THAT ALL SAMPLES SHALL BE GRAB SAMPLES UNLESS OTHERWISE APPROVED BY REGIONAL BOARD STAFF, OR IF REQUIRED BY A FEDERAL EFFLUENT GUIDELINE.

A COMPOSITE SAMPLE IS A COMBINATION OF INDIVIDUAL SAMPLES COLLECTED OVER THE SPECIFIED SAMPLING PERIOD; SUCH AS, AT EQUAL TIME INTERVALS, OR AT VARYING TIME INTERVALS SO THAT EACH SAMPLE REPRESENTS AN EQUAL PORTION OF THE CUMULATIVE FLOW, APPROPRIATE TIME INTERVALS ARE SUBJECT TO REGIONAL BOARD STAFF APPROVAL.

- (2) ENTER THE TIME THE SAMPLE WAS TAKEN AND INDICATE HOURS OR MINUTES INTO THE STORM THE SAMPLE WAS COLLECTED.
- (3) IF THE ANALYTICAL RESULTS INDICATE A VALUE LESS THEN THE DETECTION LIMIT (OR NON DETECT), PLEASE SHOW THE VALUE AS LESS THAN THE NUMERICAL VALUE OF THE DETECTION LIMIT.
- (4) DESCRIBE. ON A SEPARATE SHEET, HOW THE FLOW MEASUREMENT WAS CALCULATED. DISCHARGERS SUBJECT TO THE SANTA CLARA COUNTY GENERAL PERMIT ARE REQUIRED TO PROVIDE ESTIMATES OR CALCULATIONS OF THE VOLUME OF STORM WATER DISCHARGE FROM EACH DISCHARGE POINT.

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SUPPLEMENTAL QUESTIONNAIRE (OPTIONAL)

We have received over 8000 NOIs for coverage under the STATEWIDE INDUSTRIAL GENERAL PERMIT. We have tried to make the program understandable and provide a workable means of implementing a complex set of new regulations. You may wish to spend a few minutes answering the following questions to tell us how we are doing.

You may send this form with your annual report. If you wish to submit it anonymously, please submit it under separate cover.

1.	Do you understand the GENERAL PERMIT and what it requires you to do?YesNo
2.	Do you consider the GENERAL PERMIT an efficient and workable means to comply with the Clean Water Act and the Storm Water Permitting Regulations?YesNo
3.	Have you had any contact (inspections, informational workshops, telephone inquiries) with staff of the Regional Water Boards or your local storm water management agency?YesNo
	If Yes, please indicate the type of contact made, and the date (if available) it was made. You may also wish to discuss the context in which the contact was made and if you were satisfied with the help or guidance received in response to your inquiry.
4.	Did you (or your accounting office) understand the INVOICE FOR FISCAL YEAR 1992-93 ANNUAL FEE which was mailed in early April of this year?YesNo
5.	Please use the space provided below (or an attachment) to suggest ways that we can improve and/or streamlin our management of this program, or the explain your responses made to the preceding questions.

This program <u>must</u> be simplified. The reporting requirements are much too burdensome. Whitever happened to plans to streamline reporting requirements? The SWRCB & RWQCB have been too slow in respending to inquiries for helping us to work through thise forms. Also, while are you asking for information that was already provided in the NOZ. Simplify. Place Simplify the entire program.

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d. Sampling Results. Please complete the following table for each discharge point monitored. Add to the list of constituents any toxic or other pollutants included in your monitoring program.

CONSTITUENT	DISCHARGE POINT	TYPE OF SAMPLE"	DATE & TIME SAMPLE COLLECTED'	RESULTS®	LABORATORY DETECTION LIMIT
рН				(pH unwis)	
TSS				ma/l	
SPECIFIC CONDUCTANCE			-	pohrns/cm	
OIL & GREASE				mg/l	
Toc			· · · · · · · · · · · · · · · · · · ·	man	
FLOWIN (IF APPLICABLE)				gallons	
SIZE OF STORM (IF AVAILABLE)				Miches	
Cu	1	GR M	2-24-45/0830	0.11 male	0.0216/8
Pb	11	P	ii his-	0.0360018	7.5
Hes	1)	þ	ıl	<0.0005 mg/2	0.05 Mg/R
Mo	h	•	И	<0.50 m. 10	0.0005 mg/l
N;	11	h	h	0.052 mall	5 =11 10
Se	n	ı	1)	10 not ma 10	0.04 Mg/K
Au	11		ı	(0.0) -10	C C C
TL	11	h	l ₁	CO H malo	DOING/X
	11	11	h	7 17 19 1	12:7mg/8
70	11	-	11	030 mg/2	U.OYMS/X

(1) ENTER IF THE SAMPLE WAS A GRAB (GR) OR COMPOSITE IC): IF THE SAMPLE WAS COLLECTED MANUALLY (M) OR WITH AN AUTOMATIC SAMPLER (AS). IF THE SAMPLE WAS A COMPOSITE PLEASE INDICATE IF IT WAS A TIME (TC) OR FLOWIFC) WEIGHTED COMPOSITE SAMPLE.

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- 12) ENTER THE TIME THE SAMPLE WAS TAKEN AND INDICATE HOURS OR MINUTES INTO THE STORM THE SAMPLE WAS COLLECTED.
- 13) IF THE ANALYTICAL RESULTS INDICATE A VALUE LESS THEN THE DETECTION LIMIT (OR NON DETECT), PLEASE SHOW THE VALUE AS LESS THAN THE NUMERICAL VALUE OF THE DETECTION LIMIT,
- 141 DESCRIBE, ON A SEPARATE SHEET, HOW THE FLOW MEASUREMENT WAS CALCULATED. DISCHARGERS SUBJECT TO THE SANTA CLARA COUNTY GENERAL PERMIT ARE REQUIRED TO PROVIDE ESTIMATES OR CALCULATIONS OF THE VOLUME OF STORM WATER DISCHARGE FROM EACH DISCHARGE POINT.

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 d. Sampling Results. Please complete the following table for each discharge point monitored. Add to the list of constituents any toxic or other pollutants included in your monitoring program.

CONSTITUENT	DISCHARGE POINT	TYPE OF	DATE & TIME SAMPLE COLLECTED ¹⁷⁸	RESULTS ^M	LABORATORY DETECTION LIMIT
ρН	1	GR M	2-24-93/0830	8 (pH units)	NA
TS \$	п	11	i hrs.	590 man	5 mg/2
SPECIFIC CONDUCTANCE	11	11		220 pohrne/om	5 mg/l 10 Mhos/cm
OIL & GREASE	11	į)	11	1,4 man	0.5 Mg/L
TOC				mg/l	
FLOW ^(A) (IF APPUCABLE)				gations	
SIZE OF STORM				inches	
COD	n	11	l)	180	GMg/R 7Ma/R
Bob	11	11	11	1.8	7Mg/R
EPA 624	n	11	l)	All Hondetect	
AS	11	n	l)	0.0083 mg/l	0.002 115/8
An	n	1)	n	<0.06 Mg/2	0.06Mg/R
Ва	11	11	11	0.65 mall	0.0070g/e
Be	n	11	_ 11	<0.000 mg/s	0.002 Mg/R
Cd	n	"	l	0.057 mg/R	0.02 mg/8
Cr	n	31	11	0.046 mals	0.03 Mg/R
CO		1)	11	0.043mall	0.04 mg/

(1) ENTER IF THE SAMPLE WAS A GRAB IGRI OR COMPOSITE (C); IF THE SAMPLE WAS COLLECTED MANUALLY (M) OR WITH AN AUTOMATIC SAMPLER (AS). IF THE SAMPLE WAS A COMPOSITE PLEASE INDICATE IF IT WAS A TIME (TC) OR FLOWIFC) WEIGHTED COMPOSITE SAMPLE.

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- 121 ENTER THE TIME THE SAMPLE WAS TAKEN AND INDICATE HOURS OR MINUTES INTO THE STORM THE SAMPLE WAS COLLECTED.
- 13) IF THE ANALYTICAL RESULTS INDICATE A VALUE LESS THEN THE DETECTION LIMIT IOR NON DETECT), PLEASE SHOW THE VALUE AS LESS THAN THE NUMERICAL VALUE OF THE DETECTION LIMIT.
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State of Carriornia . State Water Resources Control Board

NOTICE OF INTENT

FOR



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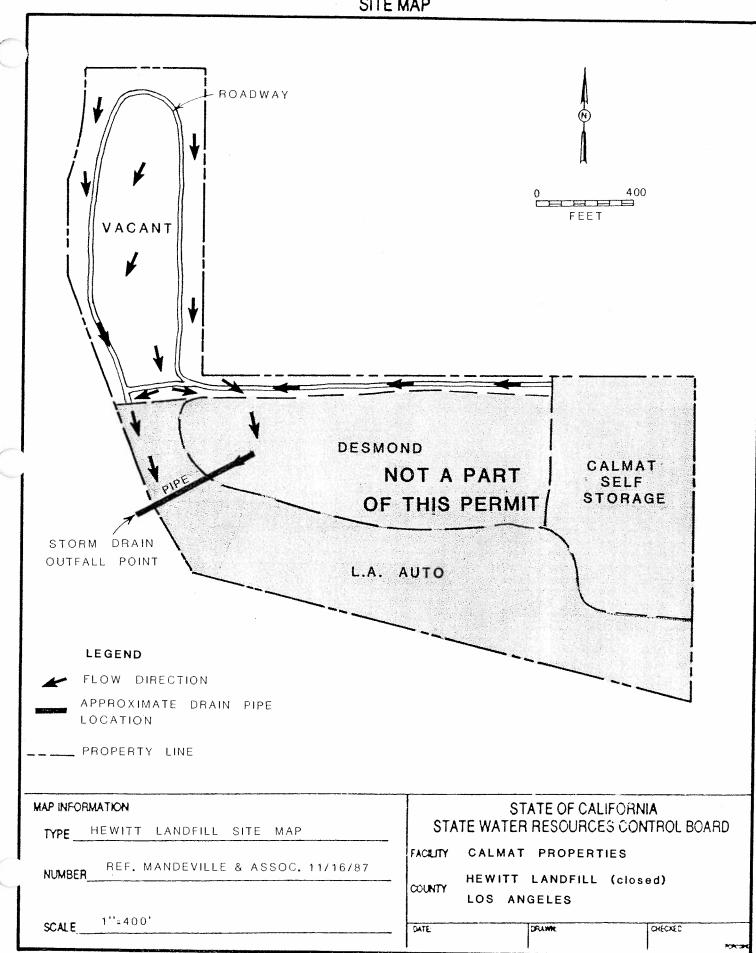
GENERAL PERMIT TO DISCHARGE STORM WATER

ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ Order No. 91 - 13 - DWQ)

(Excluding Construction Activities)

MARK ONLY ONE ITEM	1. Existing Facility	1 Chang	e of Information	
	2. New Facility	WDE	0.	
I. OWNER/OPER	ATOR			
1	PROPERTIES		P	or Type: (Check one)
Mailing Address:			1. U City	2. County 3. State 4. Federal
	n Fernando Blvd.		1	District 6. Government Combo 7. Private
City: Los Ang	eles.		State: Zip:	
Contact Person:				NEIS LESO ZIII
Mr. Geo	rge Cosby		B. 1. LI Owner	2. Operator 3. Owner/Operator
II. FACILITY/SITE	INFORMATION			
Facility Name:	LANDFILL (Closed)		County:	(19)
Street Address:			Contact Person:	ANGELES
7361 La	urel Canyon Blvd.			George Cosby
City:	eles		State: Zip:	Phone:
	ore than 4 apply to facility, enter	idditional numbers in	SECTION IX. A):	16 05 - 613 258 2777
A_8307-0226	7		•	
A	10 B	C		D
IIL BILLING ADDF	RESS			
Send Billing Statements	To: A. 🖾 Owner/Opera	tor B. C	Facility	C. Other (Specify in SECTION IX. B)
W. RECEIVING W	ATER INFORMATION			
A. Does your facility's s	torm water discharge directly to:	Check one)		
1. 🖾 Storm drain sys		•		-
Ourse of starre	loc	Angoloo		
2 Dimenti to storm	Crain system: (Name) LUS	Angeles C	ounty Floo	od Control District
3 Direfrents in unit	rs of U.S. (e.g., river, lake, creek, ers of U.S.	ocean)		
w. — morecely to wall	Ø(\$ 0) ∪,S,			
B. Name of closest rece	rring water;			
Tujunga	Wash			
		· · · · · · · · · · · · · · · · · · ·		
V. INDUSTRIAL IN	IFORMATION			
A. SIC Code(s): 4953			B. Type of Busines	s :
1. 199 2	3		Landfi	ll (closed)
C. Industrial activities at	facility: (Check all that apply)			
1. Manufacturing	2. Vehicle Maintena	na• 3.□ H.	azardous Waste Tr	reatment, Storage, or Disposal Facility (RCRA Subtitle C)
4. Material Storage		6. M	aterial Handling	7. Wastewater Treatment
Power Generatio	on 9. L. Recycling	10. 🗆 Li	ındfili	99. 🖾 Other: <u>Closed Landfill</u>
				NOI-1 (12/4/91)

VI. MATERIAL HANDLING/	MANAG.	ENT PRACT	ICES	
5. Pesticides 6	r stored outdo 2. Scrap M 3. Hazardo	etai	that apply) 3. Petroleum Products 7. Paints	4. Plating Products 8. Wood Treating Products
99. 🖾 Other (Please list) N / A	Vacant	Land	•	
B. Identify existing management pra	ctices employ	ed to reduce poil	utants in industrial storm water o	ischarges: (Check all that apply)
1. OilWater Separator 2	2. 🔲 Containn	nent	3. Berms	4. Leachate Collection
	s. 🗖 Recyclin	g	7. Retention Facilities	8. Chemical Treatment
99. \(\sum \) Other (Please list)	<u>ondens</u> a	te		
VII. FACILITY INFORMATIO	N			
A. Total size of site: (Check one)		B. Percent of si	te impervious: (Including roottop:	3)
18 675 Acros	□ Sq. Ft.	6	<u>-5-7 </u>	
VIII. REGULATORY STATU	S (Check all	that apply)		
A. Regulated by Storm water		B. Waste D	ischarge Requirements	C. NPDES Permit
Effluent Guidelines		•		SCAOMD Permit # 164827
(40 CFR Subchapter N)		(Order Number)		CA 10# 3530
D. ACRA Permit		E. Regulated	t by California. Code of Regulations. Chapter 15 (Feedlots),	
Number		Artice 6,	Chapter 15 (Feedloss).	
B. Bរ៉ារីរ៉ាថ្វ Information: (Enter Name a	and Address)			
X. CERTIFICATION				
designed to assure that qualified per manage the system, or those person belief, true, accurate, and complete.	sonnel prope is directly res I am aware th nat the provisi	rly gather and ev ponsible for gathe at there are sign ions of the permit	aluate the information submitted ening the information, the information the information of ifficant penalties for submitting fa t, including the development and	tion and supervision in accordance with a system. Based on my inquiry of the person or persons who tion submitted is, to the best of my knowledge and ise information, including the possibility of fine and implementation of a Storm Water Pollution.
Printed Name: Corne	. (%	067"		
()		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1	
Signatura:	<u> </u>		\searrow	Date: 3-30-92
	•			
Tide: Vice Tr	<3'\d.			
STATE USE ONLY 0027	67			
WDID; 4B195		Regional Bos	ird Office;	Data Permit Issued:
NPDES Permit Number:	Order Nu	mber;	Fee Amount Recei	Ped: Date NOI Received:
CA:			- 1.350	ADD 4 - 1807
				1 AVR 07. 1992



Appendix D

Appendix D Aerial Photographs











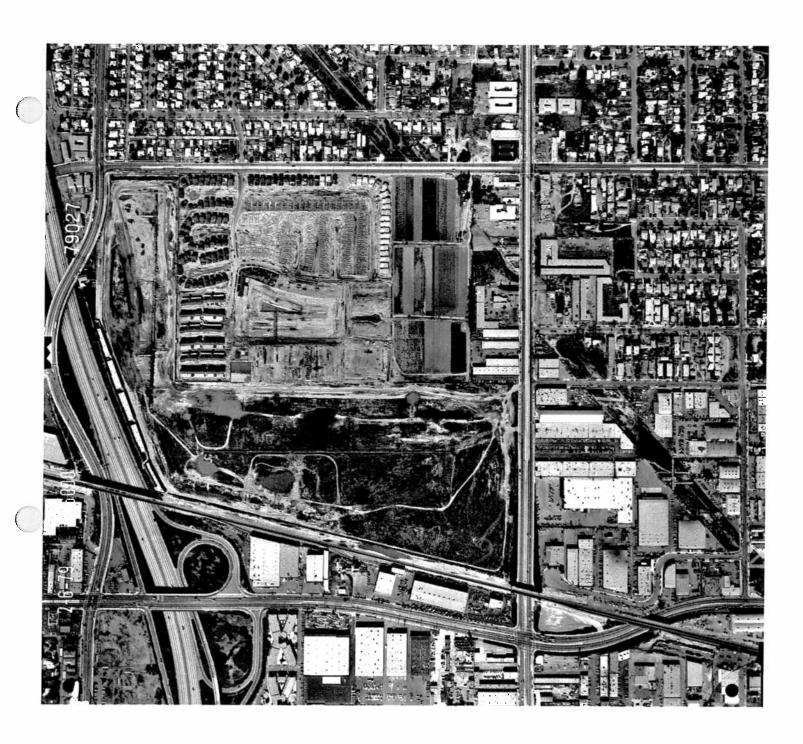










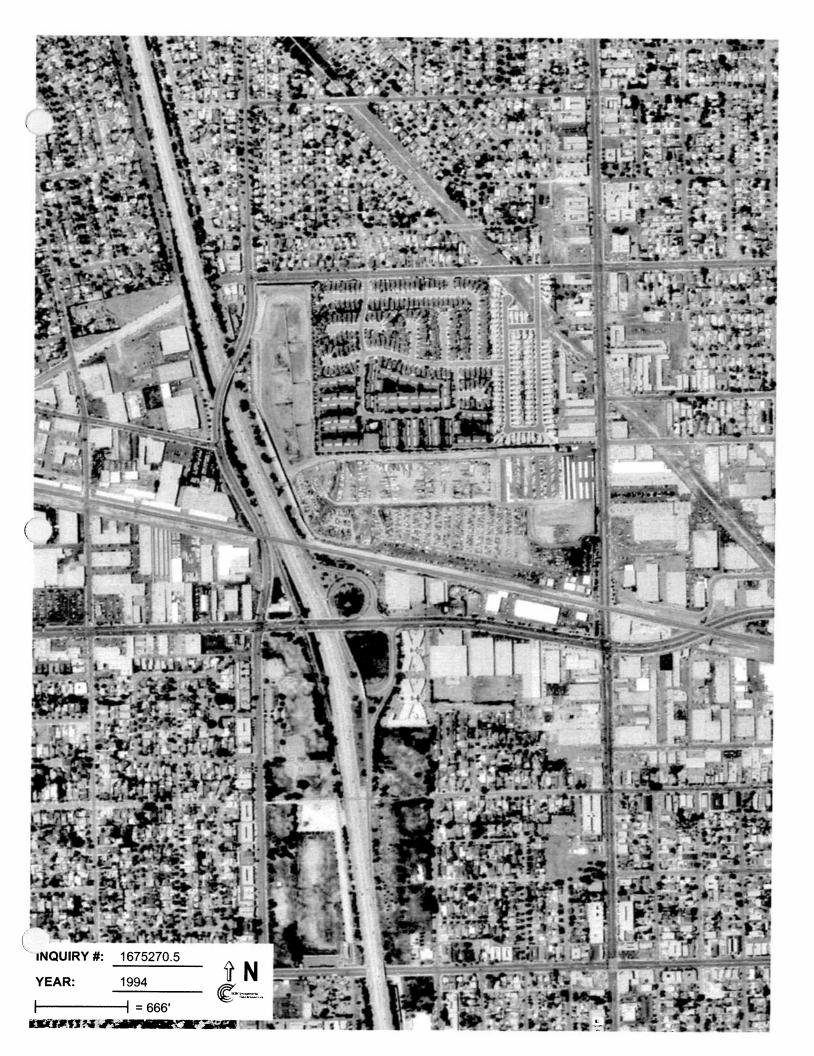














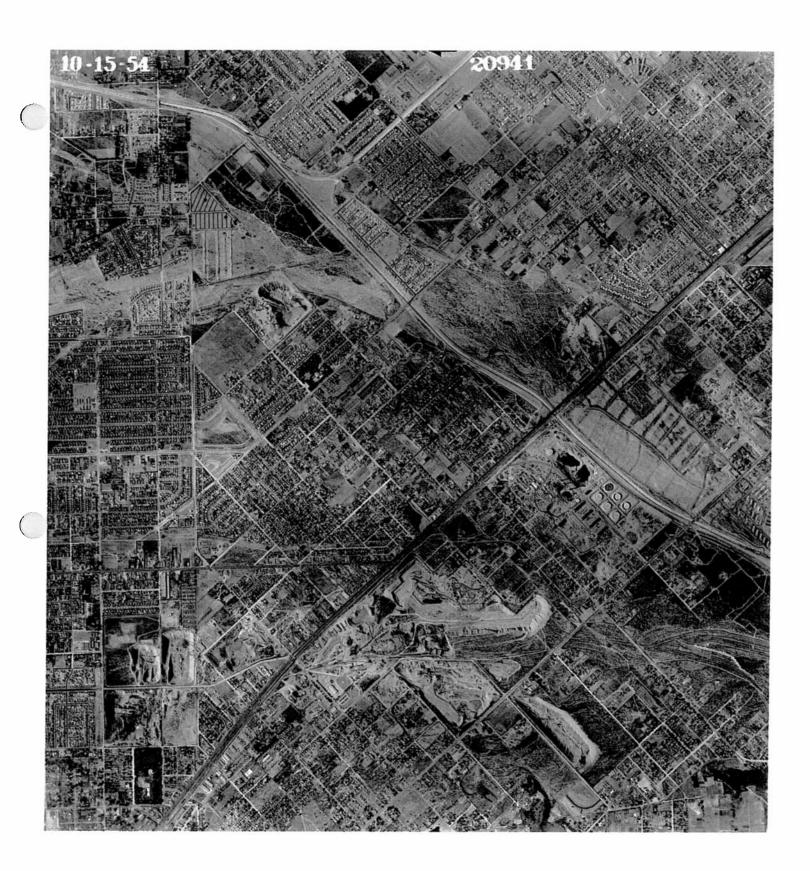
Glenoaks and Tujunga Pick Your Part Facilities



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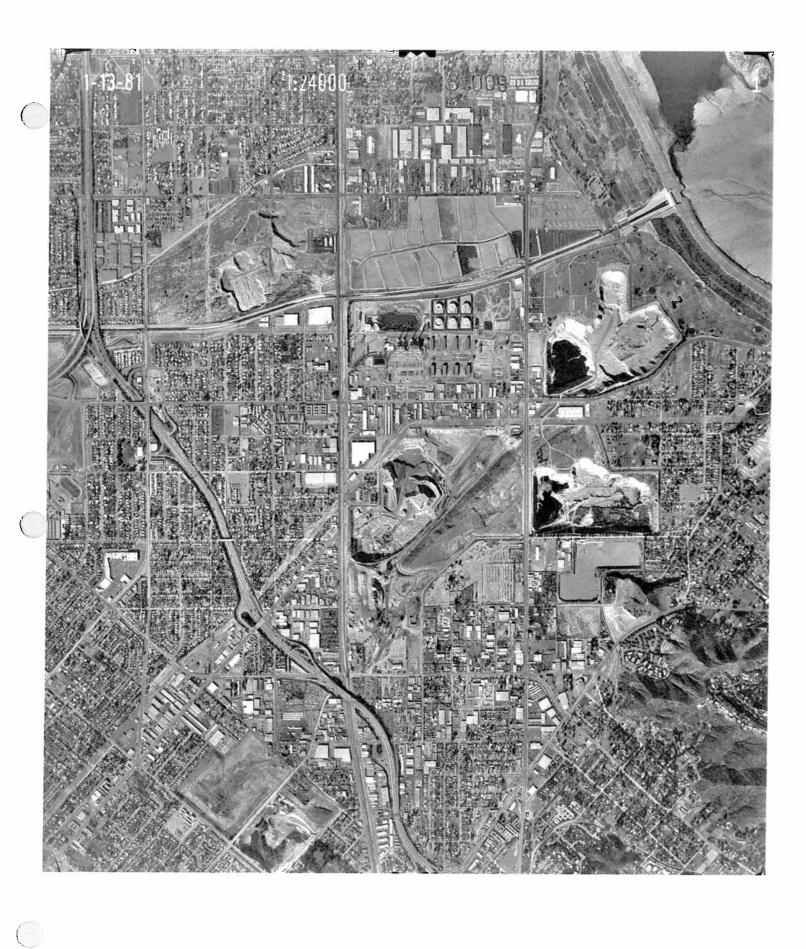














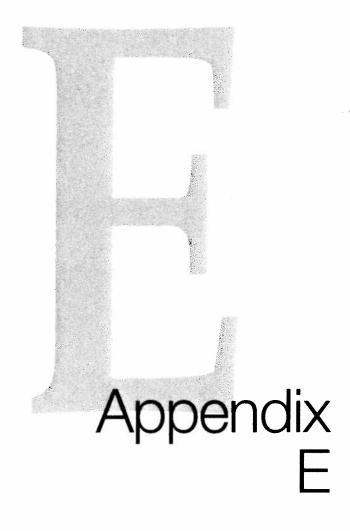












Appendix E Letter Concerning Nonexistence of Groundwater Wells at Glenoaks and Tujunga Facilities

DongellLawrence FinneyClaypool_{ll}

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SOUTHERN CALIFORNIA FORTY FIFTH FLOOR 707 WILSHIRE BOULEVARD LOS ANGELES, CALIFORNIA 90017-3609 SACRAMENTO, CALIFORNIA 95814 TELEPHONE 213.943.6100 FACSIMILE 213.943.6101

NORTHERN CALIFORNIA **SUITE 2130** 980 NINTH STREET TELEPHONE 916.290.5882 FACSIMILE 916.290.6002

May 2, 2006

VIA TELECOPIER AND EMAIL

(415) 947-3553 Massey.Michael@epamail.epa.gov

Mr. Michael Massey United States Environmental Protection Agency 75 Hawthorne Street San Francisco, CA 94105-3901

Re: EPA San Fernando Valley Superfund

Dear Michael:

This letter will provide you with the status of Pick Your Part's efforts to locate and, if possible, reactivate the historical monitoring wells located on the former Benz dump site.

Subsequent to our April 20, 2006, report, our consultant, Geomatrix, completed their review of files available from Pick Your Part and EPA. With EPA's assistance in providing the geographic coordinates of the historic well locations, Geomatrix determined that the wells were not in fact located on the property occupied by Pick Your Part, but on CalMat property. The well nearest to Pick Your Part is at least one quarter mile away from its site. EPA's Project Manager, Rachel Loftin, has confirmed that CalMat has agreed to conduct monitoring for its wells. Ms. Loftin has also confirmed that EPA has withdrawn its February 10, 2006, request to Pick Your Part to conduct quarterly monitoring.

Pick Your Part is continuing in its efforts to obtain public records from the Regional Water Quality Control Board, the Integrated Waste Management Board, the Department of Water Resources, and any other regulatory state entity likely to possess records of the existence and, if applicable, the locations of any monitoring wells onsite.

Mr. Michael Massey May 2, 2006 Page 2

We will report on the status of our investigations on or before May 15, 2006.

Very truly yours,

Christopher T. Johnson, for

DONGELL LAWRENCE FINNEY CLAYPOOL LLP

CTJ:dc

cc: Ms. Cindi Galfin, Pick Your Part

Mr. Richard A. Dongell

Appendix F
File Review Requests to City of
Los Angeles City Fire Department and
Department of Toxic Substance Control

Telephone (212) 978-369) Fax (213) 978-3615 200 N. Main St., 1707 PL. Les Angelts CA 90012 Request for Information Hazardous Materials Records

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TELEPHONE CALL REPORT

CDM

rvironmental engineers, scientists, nners, & management consultants Firm/Office: Fruinc

Date: 5-17-06

Job No: 22517-51079-

EPA 104

Project: Vulcan - Hewitt Landful, Pick Your Part Auto Salvage Yard

Make by/Received by: _______ Distribution:

Talked with: LA City Fire

Date and Time: _5-17-06

Inquired about any Hazardous Waste Business Plans held for Hewitt Landfill and both Pick Your Part parcels (Glenoaks & Tujunga).

No plans exist for Hewitt Landfill or Pick Your Part (Tyjunga).

Pick Your Part (Glenoaks) has plans for:

- . 55 gallon steel drun WASTE COOLANT
- · 55 gallon drum WASTE OIL

(Document I.D. FA35200)

Telephone (213) 978-3691 Fax (212) 978-3615 200 N. Main St., 17th PL. Loss Attrelles CA 98012 Request for Information ... Hazardens Materials Records

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Department of Toxic Substances Control



Maureen F. Gorsen, Director 1011 North Grandview Avenue Glendale, California 91201

May 19, 2006

Mr. Curt Ross CDM 18581 Teller Avenue, Suite 200 Irvine, CA 92612

VARIOUS SITES PR30518062

Dear Mr. Ross:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control.

After a thorough review of our files we have found that no such records exist at this office pertaining to the sites/facilities referenced below.

- Hewitt Landfill, 7361 Laurel Canyon Blvd., North Hollywood, CA 91605
- Pick Your Part Auto Salvage, 9228 Tujunga Avenue, Sun Valley, CA 91352
- Pick Your Part Auto Salvage, 9361 Glenoaks Blvd., Sun Valley, CA 91352

If you have any questions or would like further information regarding your request, please contact me at (818) 551-2886.

Sincerely,

Jone Barrio

Regional Records Coordinator

California Regional Water Quality Control Board

Los Angeles Region

Terry Tamminen
Secretary for
Environmental
Protection

Over 50 Years Serving Constal Los Angeles and Ventura Counties
Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

Arnold Schwarzenegger Governor

320 W. 4th Street, Suite 200, Los Angeles, California 90013 Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.swrcb.ca.gov/rwqcb4

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•	FAX NO:			TEL.#:	(213) 576-6749 (213) 576-6640
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California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption

For a list of simple ways to reduce demand and cut your energy costs, see the tips at: http://www.swrcb.ca.gov/news/echallenge.html



Appendix G Construction and Testing of Vadose Zone Monitoring System, Hewitt Landfill (Laurel Canyon Facility) (Law Environmental, 1989)



CONSTRUCTION AND TESTING

OF

VADOSE ZONE MONITORING SYSTEMS
HEWITT LANDFILL
NORTH HOLLYWOOD DISTRICT
LOS ANGELES, CALIFORNIA

Prepared for CALMAT PROPERTIES

Prepared by LAW ENVIRONMENTAL, INC.

PROJECT NO. 58-7057

JANUARY 1989



January 3, 1989

3420 N. SAN FERNANDO BLVD. SUITE 200 BURBANK, CALIFORNIA 91504 818-848-0214 PANAFAX 818-848-1674

CalMat Properties
3200 San Fernando Road
Los Angeles, California 90065

Project No. 58-7057

Attention: Mr. George Cosby

Gentlemen:

This report, "Construction and Testing of Vadose Zone Monitoring System, Hewitt Landfill, North Hollywood District, Los Angeles, California," documents the construction of the vadose monitoring lysimeters for the Hewitt Landfill. The lysimeters are intended for the monitoring program as required by the SWAT Regulations. The wells were successfully installed, however no samples have been recovered to date.

Yours very truly,

LAW ENVIRONMENTAL, INC.

...

Vince Richards Staff Geologist

bν

Glenn A. Brown, C.E.G. 3 Senior Vice President

VR/gla/7057.RPT

(3 copies submitted)



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CONSTRUCTION AND TESTING

OF

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NORTH HOLLYWOOD DISTRICT

LOS ANGELES, CALIFORNIA

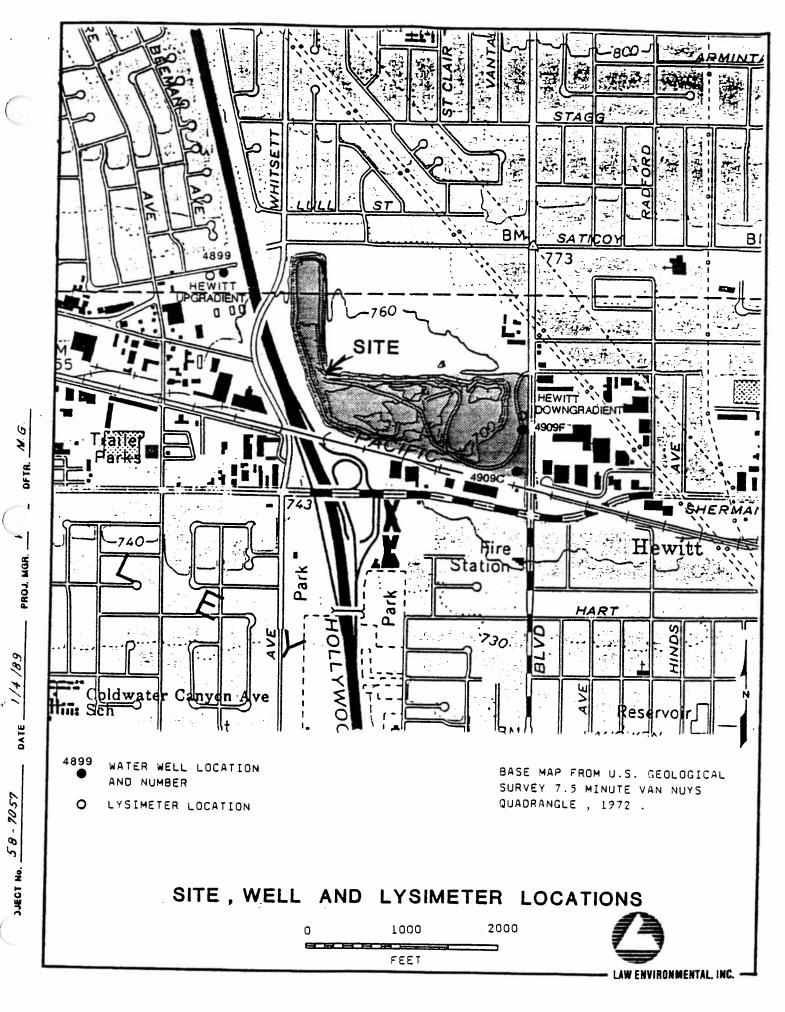
FOR

CALMAT PROPERTIES

INTRODUCTION

This report presents the results of drilling the vadose zone monitoring wells for the Hewitt Landfill in North Hollywood District, Los Angeles, California. Lysimeters were installed based on preliminary specifications described in our Proposal, Solid Waste Assessment Test, (SWAT Proposal), Hewitt Class II Disposal Site, dated March 31, 1988.

The locations of the lysimeters are shown on Figure 1. The lysimeters were installed in native gravel deposits upgradient and downgradient of the site to insure background sampling and sampling that would be influenced by the site. Well drilling and lysimeter installation was provided by Mahaffey Drilling Company, Torrance, California, and Datum Exploration, Long Beach, California. Logging of the alluvial materials penetrated, document-





ation of construction practices and testing were provided by Law Environmental, Inc., Burbank, California. All work related to well design and construction supervision was carried out in accordance with verbal authorization from Mr. George Cosby.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geologists practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional advice included in this report.

LYSIMETER CONSTRUCTION

HEWITT DOWNGRADIENT

Drilling by Datum commenced on April 11, 1988, using the Failing F-10 auger rig. Twelve-inch flight augers were drilled to 52 feet and pulled for the lysimeter installation. Due to the unconsolidated nature of the gravel formation, the borehole collapsed to 36 feet. Attempts to stabilize the borehole failed and a decision was made to complete the well using 10-inch hollow stem augers. On April 12, 1988, Datum returned to the site and drilled the 10-inch hollow stem augers to a final depth of 52 feet.

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Upon completion of drilling, the lysimeter was placed through the auger and backfilled with sand and bentonite as the auger was retracted. Construction details and a lithologic log are shown in Appendix A. Silica flour mixed with distilled water was poured around the lysimeter, and frozen prior to installation to insure a minimum annular thickness of 1-1/2 inches. A lockable steel vault was secured around the lysimeter.

HEWITT UPGRADIENT

Drilling by Datum Exploration commenced on April 26, 1988 using the Failing F-10 auger rig. Ten-inch diameter hollow stem augers were drilled in native gravel deposits to a final depth of 50 feet.

Upon completion of drilling, the lysimeter was placed through the auger and backfilled with sand and bentonite as the auger was retracted. Construction details and a lithologic log are shown in Appendix B. Silica flour mixed with distilled water was poured around the lysimeter, and frozen prior to installation to insure a minimum annular thickness of 1-1/2 inches. A lockable steel street vault was secured around the lysimeter.



LYSIMETER DETAILS

The vadose zone monitoring system installed at the sites consist of a vacuum-pressure tube type lysimeter employed in tandem with a transfer vessel. Both units are manufactured by TIMCO Manufacturing, Inc. of Wisconsin. Details of the units used at each site are shown in Appendix A and B.

The lysimeter body is approximately 2 inches in diameter and 18 inches in length. The body is composed of polytetrafluoro-ethylene (PTFE) with a porous PTFE filter which has an average pore size of 70 microns.

The transfer vessel is situated approximately 1 foot above the lysimeter and is 2 inches in diameter and 18 inches in length. The transfer vessel is utilized to transport the sample from the lysimeter to the surface. This is necessary since the pressure needed to force the sample to the surface from below 25 feet could disrupt the contact area between the silica flour and the PTFE filter on the lysimeter. Very little pressure is required to transfer a sample from the lysimeter to the transfer vessel. The pressure can then be raised in the transfer vessel sufficiently to raise the sample to the surface.



The lysimeter and transfer vessel arrives from the manufacturer as one unit and is approximately four feet in length. At the time of installation, the pressure, vacuum, and sample tubes were attached at the top of the transfer vessel.

HEWITT DOWNGRADIENT LYSIMETER

Clear tygon tubing was utilized to distinguish each line and were numbered as follows:

- #1 0.25" tube Sample evacuation tube
- #2 0.25" tube Transfer vessel pressure or vacuum tube
- #3 0.25" tube Lysimeter pressure & vacuum tube

The tubing is run inside a 1.9-inch threaded casing that extends to the surface and through a 2-inch PVC cap with holes having corresponding numbers that match the tubes.

HEWITT UPGRADIENT LYSIMETER

Colored polyethylene tubing was utilized to distinguish each line and is colored as follows:



- 0.25 Red tube Lysimeter pressure and vacuum tube
- 0.25* Blue tube Transfer vessel pressure or vacuum tube
- 0.25" Clear tube Sample evacuation tube

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The tubing is run inside a 1.9-inch threaded casing that extends to the surface.

HYDROLOGIC TESTING

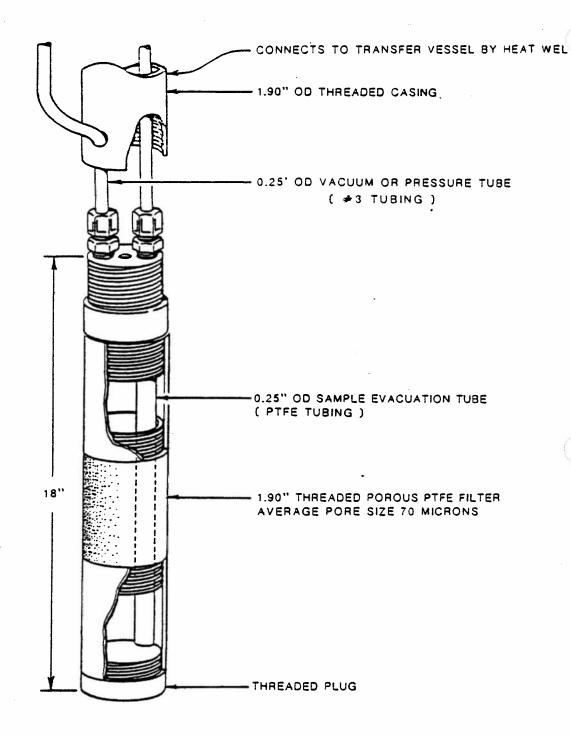
Sampling was attempted on May 6, 1988, and no water was present in either lysimeter. There was always a possibility that a sample would never be recovered due to the high permeability and low moisture content of the alluvial material. If, in the future, only a small amount of water is intercepted by each lysimeter, chemical analyses will be made on a priority basis. Purgeable priority pollutant analyses by EPA 624 method will have the highest priority, followed by chloride, TDS, pH, one or two metals, and then general minerals.



APPENDIX A

CONSTRUCTION DETAILS,
HEWITT DOWNGRADIENT

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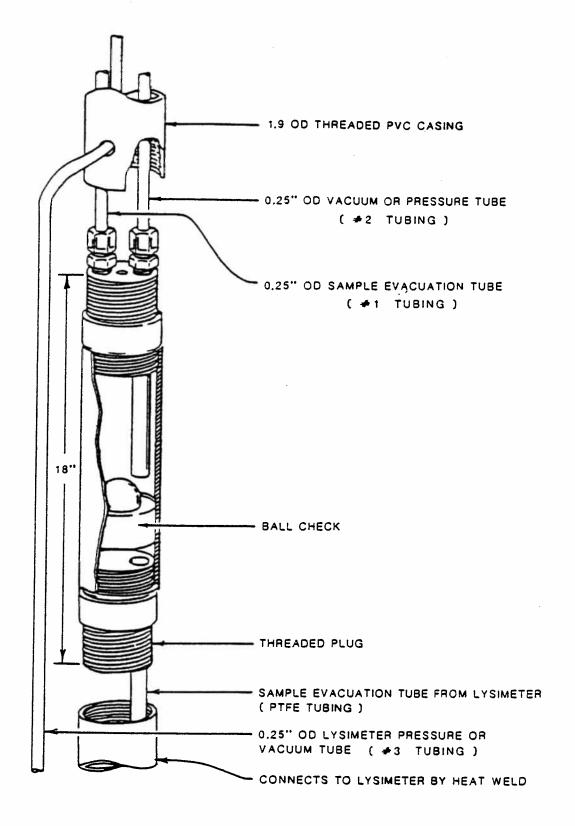


HEWITT DOWNGRADIENT VACUUM PRESSURE LYSIMETER

NOT TO SCALE



LAW ENVIRONMENTAL, INC.



HEWITT DOWNGRADIENT TRANSFER VESSEL

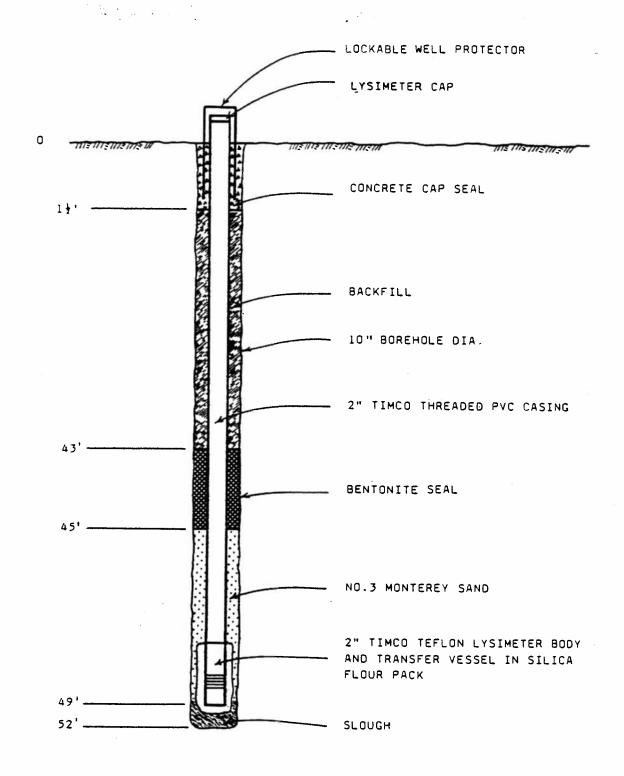
NOT TO SCALE



LAW ENVIRONMENTAL INC.

LITHOLOGIC LOG

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Owner: Drilled	hv:	Datum Expl	loration				Lysimeter)			
Logged b		Vince Rich					-10			
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	Method:		item Auger			04-12-88				
Borehole		52'		······	Borehole Diameter:	10"				
Casing:	- op	***************************************								
Perforat	ions:			· · · · · · · · · · · · · · · · · · ·						
Static W	eter Leve	i:			Drawdown:	Yield:				
Specific	Capaci ty		gpm/ft		Electrical Conductan	ce:	micromhos			
Ground Elevation:					Top of Casing Elevation:					
Depth	Sample	Graphic								
(feet)	Interval			Descr	iption of Materials					
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30 -					size decreasing, mos Abundant sand.	tly fine to mediu	m pebble			
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LYSIMETER HLS 88-1 CONSTRUCTION DETAILS HEWITT DOWNGRADIENT

NOT TO SCALE

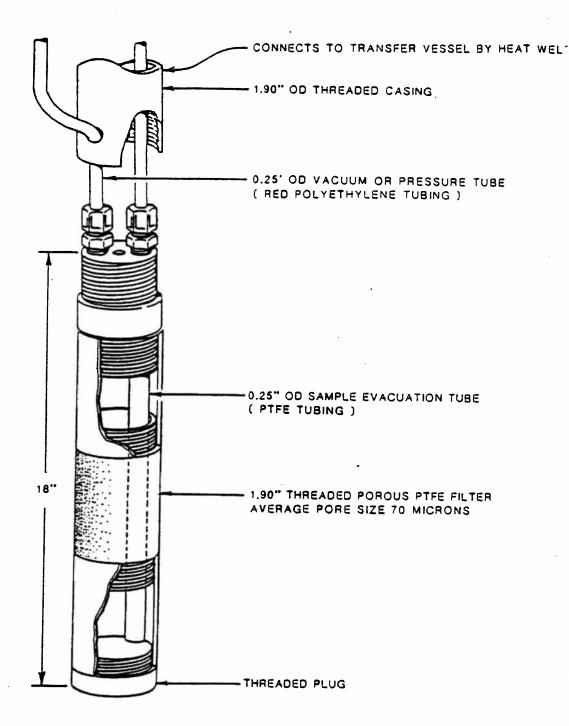


LAW ENVIRONMENTAL, INC.



APPENDIX B

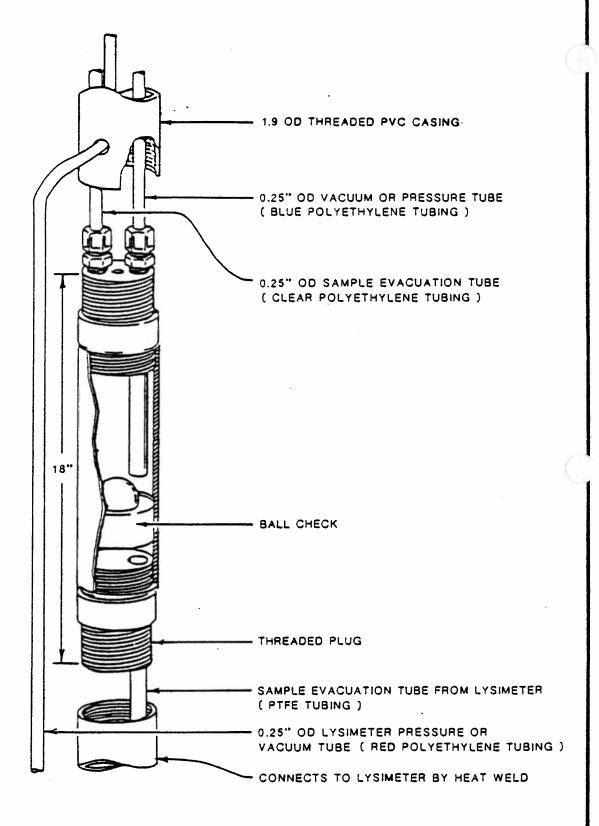
CONSTRUCTION DETAILS HEWITT UPGRADIENT



HEWITT UPGRADIENT VACUUM PRESSURE LYSIMETER

NOT TO SCALE





HEWITT UPGRADIENT TRANSFER VESSEL

NOT TO SCALE

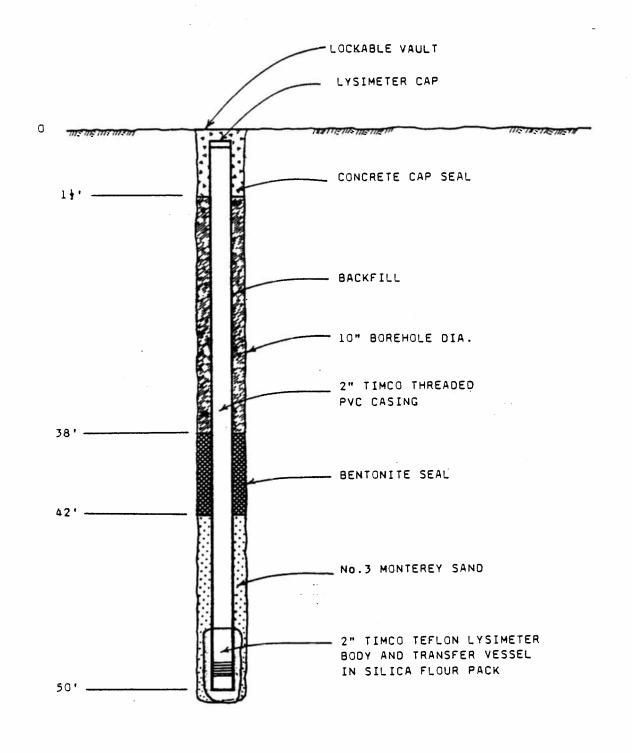


LAW ENVIRONMENTAL, INC.

LITHOLOGIC LOG

Owner:		al Mat							
Drilled		atum Expl	oration				ct No.:		(Lysimeter)
Logged b		ince Rich	ards			WELL	NO.:	123-00-2	(Lysineter)
Location		aticoy St	. (cul de sac) west	of Hollywo	od Fwy.				
Drilling	Method:	Hollo	w Stem Auger		Date Comple	ted:	04-26-	88	
Borehole	Depth:	50'			Borehole Di				
Casing:									
Perforat	_								
	later Leve				Drawdown:			Yield:	
	Capacity		gpm/ft		Electrical	Conductan	ce:		micromhos
Ground E	levation:				Top of Casi	ng Elevat	ion: _		
Depth (feet)	Sample Interval	Graphic Log		Descr	iption of Mat	erials			
10 <u>-</u>			SANO ANO GRAVEL	gravel. of m e ta	rey fine to Gravels ar morphic and ell graded.	re subanç	gular to	rounded	coarse and composed uvium slightl
30 -									
40 -									
50 -				Total De	pth: 50'				

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LYSIMETER HLS 88-2 CONSTRUCTION DETAILS HEWITT UPGRADIENT

NOT TO SCALE



LAW ENVIRONMENTAL, INC.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT



PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No. D33194 A/N 164827 Page 1

This initial permit shall be renewed by \$1/\$1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner

ID 3530

Or Operator:

CALMAT PROPERTIES CO. 3200 SAN FERNANDO ROAD LOS ANGELES, CA 90065 ATTN: GEORGE COSBY

Equipment

located at: 7245 LAUREL CANYON BLVD., NO. HOLLYWOOD, CALIFORNIA

Equipment Description:

LANDFILL GAS COLLECTION AND FLARING SYSTEM, CONSISTING OF:

- FLARE, JOHN ZINK, MODEL ZTOF, 8" -0" DIA. X 24" -0" H., 20,000,000 BTU/HR., WITH AN 1. AUTOMATIC SHUTOFF VALVE FOR LANDFILL GAS INLET, FLAME ARRESTOR, UV SCANNER, AND TWO AUTOMATIC TEMPERATURE CONTROLLED AIR DAMPERS.
- EXHAUST SYSTEM WITH A 50 HP BLOWER AND A 50 HP SPANDBY BLOWER VENTING 2. 40 COLLECTION WEELS,
- PORTY-FIVE (45) COMBINATION PROBES/GAS MIGRATION CONTROL WELLS VENTED 3. TO THE EXHAUST SYSTEM.
- INLET SEPERATOR, V101, 2'-6' O.D. X 6'-6' TANGENT TO TANGENT, WITH A 4. CONDENSATE SUMP, 16" O.D. X 2" -10" LONG, PVC.
- 5. CONDENSATE WATER PUMP, P101, 5 HP.

Conditions:

- OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL L DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
- THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD 2 OPERATING CONDITION AT ALL TIMES.
- THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL 3. PROPERLY TRAINED IN ITS OPERATION.
- ALL LANDFILL GAS COLLECTED SHALL BE DIRECTED TO THE FLARE FOR COMBUSTION.

PERMIT TO OPERATE

SEF - 20 - 23 HOB 10.00 G.IO CO.....

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

D33194 A/N 164827 Page 2

CONTINUATION OF PERMIT TO OPERATE

- 5. THE TEMPERATURE INDICATOR AND RECORDER FOR THE FLARE SHALL BE MAINTAINED IN GOOD OPERATING CONDITION AND SHALL BE OPERATED WHENEVER THE FLARE IS IN OPERATION.
- 6. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1400 DEGRESS F SHALL BE MAINTAINED IN THE FLARE STACK AS MEASURED BY THE TEMPERATURE INDICATOR AND RECORDER.
- 7. THE FLARE FLAME SAFEGUARD SYSTEM WHICH INCLUDES AN AUTOMATIC BLOWER AND FLARE INLET VALVE SHUTOFF SYSTEM, AND AN AUTOMATIC DIALER SHALL BE OPERATED WHENEVER THE FLARE IS IN OPERATION.
- 8. THE SAFETY SYSTEM SPECIFIED IN CONDITION NO. 7 SHALL BE MAINTAINED IN GOOD OPERATING CONDITION AND SHALL BE TESTED MONTHLY POR PROPER OPERATION AND THE RESULTS RECORDED.
- 9. THE LANDFILL GAS SUPPLY LINE TO THE FLARE SHALL BE EQUIPPED WITH A FLOW INDICATING AND RECORDING DEVICE TO MEASURE AND RECORD THE QUANITTY OF LANDFILL GAS BEING BURNED IN THE FLARE. THIS FLOW INDICATING AND RECORDING DEVICE SHALL BE IN OPERATION WHENEVER THE FLARE IS IN OPERATION.
- 10. THE TOTAL VOLUME OF LANDFILL GAS BURNED IN THE FLARE SHALL NOT EXCEED 1500 SCFM.
- 11. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO TIME OF DAY.
- 12. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED BY THE APPLICANT WITHIN TWENTY-POUR (24) HOURS OF A REQUEST BY THE DISTRICT TO CONDUCT A TEST.
- THE LANDFILL GAS HEADER SHALL BE EQUIPPED WITH A 3/4" NPT SAMPLE PORT WITH PLUG, LOCATED BETWEEN THE BLOWERS AND THE FLARE TO ALLOW THE COLLECTION OF A LANDFILL GAS SAMPLE, AND TO ALLOW FOR FLOW MONITORING USING A PITOT TUBE.
- 14. THE FLARE SHALL BE EQUIPPED WITH A SUFFICIENT NUMBER OF VIEW PORTS TO ALLOW VISUAL INSPECTION OF THE FLAME HEIGHT AT THE ELEVATION OF THE TEMPERATURE SENSOR LOCATIONS WITHIN THE FLARE AT ALL TIMES. SAFE ACCESS SHALL BE PROVIDED FOR ALL VIEW PORTS.
- 15. THE MAXIMUM FLARE SHELL SKIN TEMPERATURE AT LOCATIONS POUR (4) FEET BELOW AND ABOVE SAMPLE PORTS SHALL NOT EXCEED 250 DEGREES P., EXCEPT IN SMALL ISOLATED AREAS WHERE INTERNAL METAL INSULATION SUPPORTS ARE IN CONTACT WITH THE FLARE WALL. THESE AREAS SHALL NOT EXCEED 300 DEGREES F.

ORIGINAL

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

D33194 04 A/N 164827

CONTINUATION OF PERMIT TO OPERATE

- 16. THE FLAME IN THE FLARE SHALL REMAIN BELOW THE HEIGHT OF THE FLARE'S OPERATING THERMOCOUPLE AT ALL TIMES.
- ANY BREAKDOWN OR MALFUNCTION OF THE LANDFILL GAS FLARING SYSTEM 17. RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD DIRECTOR OF ENFORCEMENT WITHIN ONE HOUR AFTER OCCURRENCE AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
- ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR A PERIOD OF AT 18. LEAST TWO (2) YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
- 19. EMISSIONS OF AIR CONTAMINANTS SHALL NOT EXCEED THE FOLLOWING LIMITS:

REACTIVE ORGANIC GASES OXIDES OF NITROGEN CARBON MONOXIDE **PARTICULATES**

20 LBS/HR 121BS/HR 4.0 LBS/HR 3.6 LBS/HR

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/Iv October 24, 1990

W DILLEY

CALIFORNIA ENVIRONMENTAL QUALITY ACT

JUL 7 - 1981

JOHN I CORCORAN. CUUNTY CLERK

71. David

BY H. DAVIS. Deputy

HOTICE OF DETERMINATION

(Article V. Section 7: Article VI, Section 11 City CEOA Guidelines) DOCUMENT FILED City Clerk's Office No. 87-163

approval of the sults in the sta	the ning of the reproject pursuant tute of limitations	on 21152 a) requires local a notice starts a 30-day statut t to Public Resources Code s being extended to 180 da	e of imitations on course.	ودا والتسمية المنظم ومن
Bureau of San City of Los A	itation	recriftiy Strip		TCOUNCY DIETRIE
PROJECT TITLE (INCLUDIN Hewitt Landfil PROJECT DESCRIPTION AS	ll Gæs Reco	very System		CASE NO
CONTACT FERSON	7 161.	Er nethand Gas Reco	nvon flyd. Log An	ice io:
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OVERRIDING CONSIDERATION	Statement	of Chemoing Consideration of Chemotory Consideration Consideration Consideration	ns was not adopted.	
ENVIRONMENTAL IMPACT REPORT	,	ment Impact Report was of the City Clerk t mental Impact Report was		
NEGATIVE DECLARATION	1 1 2 2 2 2 2 2 2 2	mer be examined at the	: On selor the City Ci	n was prepared for the erk." was not prepared for the
Sterling C. Eug	Ach Kon	und Title	Semitary Engr.	DATE OF PREPARATION
DISTRIBUTION: Part 1 — County Cierk		OFFIC	E OF THE CITY CLEF	RK (

Room 395. City Hall 200 N. Main Street

Los Angeles California 90012

Part 4 --- Resp State Agency (if any)

Part 1 — County Clerk
Part 2 — City Clerk
Part 3 — Agency Record

CITY OF LOS ANGELES CALIFORNIA ENVIRONMENTAL QUALITY ACT 1970

APR 7 1981	Certified by 2012	No: 18-378-81	City Clerk's Office
	Di	EQ Use	
	<u>جر</u> ج	7 1981	No: 18 378-81 Certified by 1772 APR 7 1981

NEGATIVE DECLARATION

(Article 7, No. 4 City EIR Guidelines)

Council District7	APR - 7 1981
Lead City Agency Bureau of Sanitation	2016
Project Title/No. Hewitt Landfill Gas Recov	very System
Project Location 7245 Laurel Canyon Boulev	vard
North Hollywood, CA 91605	
Project Description Construction of 3500 SC	FM Methane Gas Recovery System fr
_ the completed Hewitt Sanitary Landf	ill site.
Name of Applicant if other than City Agency Gas Rec	•
550 North Rosemead, Suite 201, Paseder	
The <u>Director</u> of the Bureau of Sanitati Angeles has determined that this project will not have following reasons: <u>Design of the station mit</u>	ion, Dept. of Pub. Works City of Los a significant effect on the environment for the
possible adverse impacts of the project	ct while providing a beneficial
energy supply to the surrounding popul	lace.
Initial Study prepared bySterling C. Buesch	(use additional sheet if necessary)
Copy may be obtained from Bureau of Sanitati	00 0 7410 00
Signe	Director, Bureau of Sanitation
Name of possess and services Starling C	3/26/8/
Name of person preparing this form Sterling C.	
Title	Principal Sanitary Engineer

Response to Comments on Negative Declaration Circulation

State Department of Conservation

Comment:

"Forty-two wells have been drilled in the landfill, yet there is no map showing locations or any description of the well completions. For future projects, maps and well completion description should be included as a part of the proposal, along with a landfill gas analysis. In addition to methane, many gases, such as H₂S, are present and probably should be identified."

Response:

The proponent of the project will provide a map showing existing and proposed new well locations. Results of a sample analysis of gas extracted from the landfill taken on January 26, 1981 had been furnished to the Bureau of Sanitation and will be furnished to the Department of Conservation.

County of Los Angeles Department of County Engineer Facilities, Sanitatio

Comment:

The document addresses most environmental concerns; however, it would appear that some measure should be taken to safe-guard the equipment used at the facility so that its use would not be interfered with."

Response:

The proponent will install at a minimum, an eight-foot chain link fence topped with three strands of barbed wire around the facility to keep unauthorized individuals from entering the main processing area and possibly interfering with the operation of the unattended equipment.

Los Angeles County Flood Control District

Comment:

"The alignment of the recovery pipeline should be coordinated with the District's proposed Roscoe Boulevard drain and retention basin aligned generally as shown on the attached sketches.

A potential conflict may arise over the vertical alignment at the apparent intersection of the two lines in Roscoe Boulevard. Preliminary plan and profile drawings are available through the flood plain section of Program Management Division."

Response:

The Department of Water and Power will study the preliminary plans and profile of the County's proposed drain and retention basin at Roscoe Boulevard to locate potential interference and conflict with the gas transmission pipeline. The gas pipeline will be rerouted as necessary. This would add details to the pipeline design; however, it will not affect the environmental concerns involved with the project.

SCB R&P

(TI)

Respectfully submitted,

JACK M. BETZ, Director Bureau of Sanitation BUREAU OF SANITATION

Report No. 3 July 6, 1981

Honorable Board of Public Works of the City of Los Angeles

NEGATIVE DECLARATION APPROVAL AND AUTHORIZATION TO ISSUE A PERMIT AND SPECIAL CONDITIONS FOR THE HEWITT LANDFILL GAS RECOVERY SYSTEM

RECOMMENDATIONS

That your Board:

- Approve the Negative Declaration for the Hewitt Landfill Gas Recovery System and instruct the Director, Bureau of Sanitation to process and file all necessary environmental documents with the City Clerk and the County Clerk to fulfill the City's CEQA guidelines.
- 2. Authorize the Director, Bureau of Sanitation to prepare and issue a revocable permit with the special conditions for the gas control system to be located on the Hewitt Sanitary Landfill in Sun Valley, California.

TRANSMITTAL

Six copies of Negative Declaration (SB 279-81) for the Hewitt Landfill Gas Recovery System dated April 7, 1981.

RECITAL

The proponent, Gas Recovery System, Inc., plans to extract with a multigas well system 3,500 scfm of methane gas from the completed Hewitt Sanitary Landfill. The gas will be processed and pumped three miles away as fuel to the Los Angeles Department of Water and Power's Valley Generating Plant by way of a gas transmission line which the Department plans to build. The gas pumping station, part of the project, consists of gas dehydration and compressor units. Sufficient station space is available to accommodate expansion of the system.

The facility will be located on a 63-acre site at 7245 Laurel Canyon Boulevard. The properties surrounding the site are predominantly industrial (M-2 zoning); however, about one-fourth of the adjacent lots are residential. The adverse environmental impacts of the project are potential degradation of air quality through the emission of fumes, dust and odors, risk of explosion, noise, and soil settlement. The design of the project mitigates to acceptable levels all possible adverse impacts of the project. The beneficial environmental impacts of the project are providing an energy supply and controlling landfill gas migration to surrounding properties.

DEPARTMENT OF PUBLIC WORKS

BUREAU OF SANITATION

Report No. 3
July 6, 1981

Page 2

The Bureau of Sanitation will review the plans for the project to assure that they are in conformance with established design standards for gas extraction facilities.

A Negative Declaration for the project was filed with the City Clerk on April 7, 1981, and circulated for a 30-day review period. The notice of the Negative Declaration was published in accordance with the City's CEQA guidelines.

During the review period, the Bureau received no comments, either written or oral, from interested citizens within the project area. The Bureau did receive communications from several responsible agencies during the official circulation of the Negative Declaration. These comments were incorporated into the final Negative Declaration and, where appropriate, into the proposed permit, and/or incorporated into the final project design.

Response to Comments on Negative Declaration Circulation

State Department of Conservation

Comment:

"Forty-two wells have been drilled in the landfill, yet there is no map showing locations or any description of the well completions. For future projects, maps and well completion description should be included as a part of the proposal, along with a landfill gas analysis. In addition to methane, many gases, such as H₂S, are present and probably should be identified."

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DEPARTMENT OF PUBLIC WORKS

BUREAU OF SANITATION

Report No. 3
July 6, 1981

Page 3

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SCB R&P (TI)

Respectfully submitted,

JACK M. BETZ, Director Bureau of Sanitation

CITY OF LOS ANGELES CALIFORNIA ENVIRONMENTAL QUALITY ACT 1970

INITIAL STUDY

(Article 7, No. 1 — City EIR Guidelines)

Council District 7		Date_	APR - 7	1981
Lead City Agency Bureau	of Sanitation	_		
Project Title/No. Hewitt	Landfill Gas Recovery	System		
Project Location 7245 L	aurel Canyon Boulevard		-	
North	Hollywood, CA 91605			
from the completed in Department of Water The plant is located construction of a gas consits of dehydratic space to allow for a Description of present environment on the completed language dehydration and on an existing concribiotation on Figure 4	oject: The proponent, Gom a multi-gas well systewitt Sanitary Landfill and Power's Valley Stead three miles from the as transmission line. The expansion of the system expansion of the system and setting: The existing compressor units will be set alab shown as the part of the ficant fauna and flora	tem 3500 scfr l for use at am Generation facility, and the gas pumpi sor with suff ag gas wells as may be dri be skid mount proposed pump	m of met the Los n Plant. d will r ing stat ficient are plac lled); ted and p ing plan	hane gas Angeles equire ion station ced the placed
Possible environmental impact Adverse: Dust, fumes noise and e	, odors, air quality e	ettlement, w	ater qua	ility,
Beneficial: Developmigration	ment of a new energy so on beyond boundaries of	urce, preven	tion of	gas
Mitigation Measures:	Required SCAQMD permit (Air Quality). Region Board and Los Angeles by pass valves to flat of facility and site control) facility encountries and aesthetic)	DWP approval	ality Co ls (Wate daily	entrol er Quality); inspection
9	EIR Negative Declaration		ned	(
Estimated cost of preliminary an	d planning expenses \$			
Name of person preparing form	Sterling C. Buesch A	pproved by Ja. Assist D	das U	Somet

BURLAU OF SEMILATION

ENVIRONMENTAL CHECKLIST FORM

(To be completed by Lead City Agancy)

		(To be completed by Lead City Agency)			
(I.	BACI	KGROUND			
••	r.	Name of Proponent GAS RECOVERY SYSTEMS, INC.	351-9	9643	
	2.	Address and Phone Number of Proponent (213) 550 North Rosemead Boulevard, Suite 201 Pasadena (A 91107)			
	3.	cubmitted 3-25-81_		OF SAN	ITATION
	4.	Paguiring Checklist CITY OF LOS ANGELES	BUKEA	S RECOVER	= RY
	5.	Name of Proposal, if applicable HEWITT LANDE			
ï.	ENV (Ex	TRONMENTAL IMPACTS planations of all "yes" and "maybe" answers tached sheets.)	are YES	requir	ed on
		•			
	1.	Earth. Will the proposal result in:			
Ċ		a. Unstable earth conditions or in changes in geologic substructures?			<u>x</u>
		b. Disruptions, displacements, com- paction or overcovering of the soil?			<u>x</u>
		c. Change in topography or ground surface relief features?			<u>x</u>
•	•	d. The destruction, covering or modification of any unique geologic or physical features?	 :		<u>x</u>
		e. Any increase in wind or water erosion of soils, either on or off the site?			<u> </u>
	•	f. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet or lake?			<u> </u>
(_	g. Exposure of people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure or similar hazards?			<u> </u>

2. Air. Will the proposal result in:

CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300 SACRAMENTO, CALIFORNIA 95814



January 28, 1983

Mr. George Cosby Vice President and General Manager Valley Reclamation Company 3200 San Fernando Road Los Angeles, CA 90065

SUBJECT: RCRA Open Dump Inventory - Hewitt Pit Closed Landfill

Dear Mr. Cosby:

Thank you for forwarding copies of your landfill gas report and Hydrogeolic Data Study as well as the Background Report for the Hewitt Pit closed landfill. After reviewing these reports we have the following observations:

- 1. The landfill gas report reflected monitoring of probes conducted during January through September, 1982. Although the monitoring reflected landfill gas concentrations at mostly zero percent, we need to know the location and depths of the probes and their relationship to the control system.
- 2. Contrary to information supplied in the Hydrogeolic Data Study, a 1977 report by the Los Angeles County Department of Water and Power states that the bottom elevation of Hewitt Pit is 621 feet with high groundwater elevation shown at 646 feet. This would imply that groundwater may reach and exceed the elevation of the pit bottom by as much as 25 feet. Based on these figures inundation of waste material would occur, resulting in water quality degradation.
- 3. While no gross groundwater contamination is reflected in the monitoring information contained in the Hydrogeolic Report, the data show an increasing trend in some constituents.

If you could supply the additional data mentioned above on the landfill gas monitoring probes, we may be able to change the safety/gas indeterminate to compliance. However, the groundwater criterion will remain indeterminate because of the chance that saturation could occur in the lowest levels of the fill, and that, in time, the groundwater could become

If you have any questions, please contact Mary Coyle at (916) 322-2674.

Sincerely,

John K. Bell, Chairman RCRA Open Dump Inventory Committee

Ken Kasner

L.A. City Bureau of Sanitation

MCoyle: lal



CalMat Properties Co.

January 4, 1989

Ms Linda Lee, Air Quality Engineer South Coast Air Quality Management District 9150 Flair Drive El Monte, CA 91731

Subject: Solid Waste Assessment Test

(SWAT) Report for the Hewitt Landfill

Dear Ms. Lee:

This SWAT Report is being submitted to satisfy requirements of California Health and Safety Code Section 41805.5. The report was prepared by the firm of Mandeville & Associates (M&A). If you require additional information in order to complete your evaluation of this report, please contact our consultant directly at the following address:

Mandeville & Associates a Division of Kleinfelder, Inc. 526 Hofgaarden Street Industry, CA 91744

Attention: Ms. Lenda Doane, Project Manager (818/369-2224)

Very truly yours,

George Cosby Vice President

Enclosure

cc: Lenda Doane, Mandeville & Associates

ADRUPL ATE
Relain This Copy

DIVISION OF WATER RESOURCES
P. O. BOX 1079
SACRAMENTO 5. CALIFORNIA

STATE OF CALIFORNIA DEPARTMENT OF 1 JBLIG WORKS

DIVISION OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do Not Fil.	
State Well No.	
Other Well No.	

	\	76, 7077, 7078, Water Code)		Other Well No. Region.	
(1)		ering	(2) Proposed use or a Domestic Irrigation Domestic and Irrigation Other	ses (check): (3 Municipal Industrial Test well) Equipment used
	Address 2730 South	d Rock Products Alameda Street, 54, Calif.	(4) Type of work (c New well * Deepening existing	Reconditionin	g of well 🗌
(5)	Well log: Total depth of well	stone, hardpan, rock. Inclu	s penetrated, such as silt, pe ude size of gravel (diameter ose, packed, cemented, soft,) and sand (fine, me	
	0 ft. to 30 ft 30 " " 66 " 65 " " 74 " 74 " " 76 " 76 " " 104 " 104 " " 107 " 114 " 122 " 1122 " " 126 " 126 " " 128 " 128 " " 144 " 144 " " 186 " 186 " " 212 " 212 " " 270 " 285 " " 290 " 290 " " 326 "	Sand & grave ditto Clay Sand-gravel Clay Gravel Clay Gravel Clay Gravel Clay Sand & grave Sand & grave Sandy clay s Gravel	- boulders up to the come gravel	;o 6**	
	270 " " 284 " " " " " " " " " " " " " " " " " " "	Clay			
(6)	If additional space is required, co	ntinue on DWR Form No. 2	46—Supplement, and atta-	ch to respective repo	ort copies.
	LENGTH DIAMETER INCHES 324 16	SINGLE, DOUBLE, WOTHER double		R FOOT OR OF CASING GR	SEATING BELOW OUND SURFACE, FT.
,	Type and size of shoe or well ring	Welded joints— Yes	s No	***************************************	

Relath

PIVISION OF WAYER RESOURCES

P. O. BOX 1079

SACRAMENTO 5. CALIFORNIA

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In
State Well No.
Other Well No.
Region

(7)	Perforations:					
` ,	Type of perforator used	Wills				
	Parformed 230	ft. to 270	ft Hole	size 3/8" x	2" No of hole	306
	" <u>300</u>		,, ,,	" 3/8" »	2" " " "	126
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(8)	Water levels:	(9) Well pun	nping test:		
(0)					i Ormani	Yes
	Depth at which water	104	Date of te	st	rted	140
		186 ft.	Depth to v	vater when test sta	irtea	410
	Depth to water	186			vel	
		186 ft.	Drawdowi	i from standing le	t	
	Depth to water	71.0	G.P.M. at	completion of tes	-tact	174 ft.
		148 ft.	Drawdowi	i at completion of	3 day	
	Note any change in water				normal	
			-	resent in water? [
(10)	General:					
	Was well gravel packed	Size of	rock	тТ	hickness of pack	
	Was a surface sanitary s	eal provided?			*	
		igainst pollution? 🗌 Yes 📜 I				
		ater? Tyes 🛣 No If yes, a				
	Was electric log made of	well? Yes No If yes, a	ittach copy.			
	If well abandoned, was	it plugged and sealed?		,,,,,		
	Method of plugging and	d sealing				
(11)	Location:		(12)	Time of work	:	
	North	Section No.		Work started da	te 10/20/52hm	pleted date 11/28/5
		Township		Date of this rer	ort 11/28/5	2
		Range				
		Base & Meridian		WELL DRILLE	R'S STATEMENT	:
		Show location of wel				y jurisdiction and this
		tion, thus (×)			the best of my kno	
		Distances to section li		[CICNED]	Saundere Re	20 B -
		well, N or S		[SIGNED]	Well Drill	08 ₀
		and E or W				
		Show location of		<i>Dy</i>		lassificationA=8C >7
		known well, thus (Distance to nearest		Licens	e No 9858 Cl	lassification A=SC >7
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		well it.		ま ノ は し し し し し		·



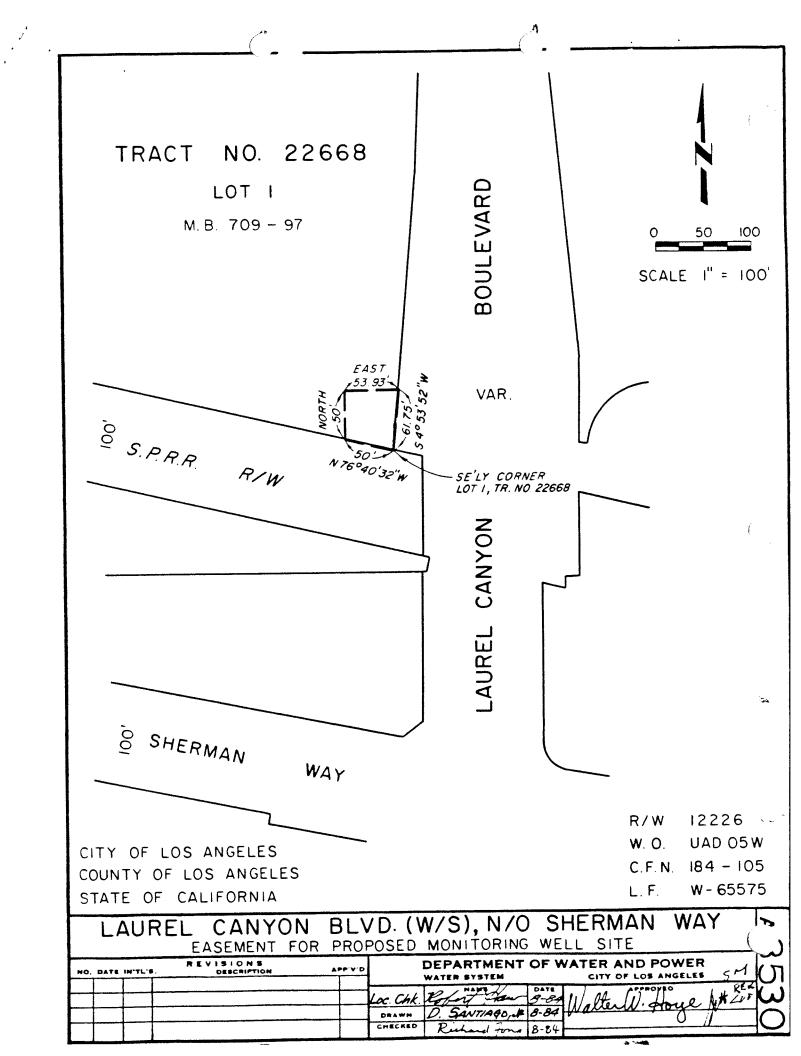
ARFA SUPV.

CalMat Co

CHANGE NOTICE NO. 28

EFFECTIVE 10-2 18 84

	CALMAT CO DIVISION	Conrock		-
(1)	SITE NAME	023-05-03		
	CITY Los A	ngeles		
	PERMANENT SITE NO.	COST CENTER OR O	PERATING NO.	TAX PARCEL NO.
	023			Portion 2307-220-10
	NATURE OF CHANGE			GROSS ACRES 0.06±
(2)	Grant of Easemer	1t		NET ACRES 0.06±
3	City of Los Ange	er 2, 1984, CalMaeles for constructions	tion and operati	easement to the on of a water well
4	BRIEF PROPERTY DESCRIPT See attached map			
	DISTRIBUTION: WM. JENKINS A.F. GERSTELL M.J. KERSTETTER R. EVANS S. WILCOTT W.A. SLEEPER T. KELLEHER W. BASSETT P. POULSEN	C.C.ssy		11-15-84 Y MANAGER



Department of Water and Power



TOM BRADLEY
Mayor

Commission
JACK W. LEENEY. President
WALTER A. ZELMAN. Vice President
RICK J. CARUSO
ANGEL M. ECHEVARRIA
CAROL WHEELER
JUDITH K. DAVISON, Secretary

PAUL H. LANE, General Manager and Chief Engineer NORMAN E. NICHOLS, Assistant General Manager - Power DUANE L. GEORGESON, Assistant General Manager - Water NORMAN J. POWERS, Chief Financial Officer

October 15, 1984

Our File W-65575

Calmat Company 3200 San Fernando Road Los Angeles, California 90065

Attention Mr. George Cosby

Gentlemen:

Enclosed is a fully executed Easement Deed granting permission to the Department of Water and Power to drill, construct and maintain a water well for the monitoring of groundwater on your property located at Laurel Canyon Boulevard and Sherman Way.

Please acknowledge receipt of the Deed on the enclosed copy of this letter and return the copy for our files.

Thank you for your cooperation in this matter.

Very truly yours,

LEE MOUSSAFIR

Chief Real Estate Officer

DB:gr

Enclosures

WHEN RECORDED, MAIL TO: Department of Water and Power Land Division P. O. Box 111, Room 1203 Los Angeles, California 90051

EASEMENT DEED

CALMAT CO. fka
/CONROCK COMPANY grants to the CITY OF LOS ANGELES, a municipal corporation,
an easement and right of way to drill, construct, maintain, and operate a water
well, together with appurtenant structures and equipment, for the purpose of
monitoring groundwater upon the real property in the County of Los Angeles, State
of California, described as follows:

That portion of Lot 1 of Tract No. 22668 in the City of Los Angeles, County of Los Angeles, State of California as per map recorded in Book 709, Page 97 of Map Records in the office of County Recorder of said County, within the following described boundaries:

Beginning at the southeasterly corner of said Lot 1; thence North 76° 40' 32" West 50 feet; thence North 50 feet; thence East 53.93 feet; thence South 4° 53' 52" West 61.75 feet to the Point of Beginning.

Together with all necessary or convenient means of ingress to and egress from said land and property for the purpose of exercising the rights herein granted.

Grantor will exercise only such reserved rights in said land as will not interfere with or prohibit the free and complete use and enjoyment by Grantee, its successors or assigns, of the easements hereby granted, and no building or other structure of any kind shall be erected, placed or maintained by Grantor, its successors or assigns, upon any of the land above described.

Dated Juplem Lev 19, 1984

CALMAT CO. fka CONROCK COMPANY

Λnd

SECRETARY

W-65575 R/W 12226

DESCRIPTION APPROVED SCHECK 8-21-84

RMF-D5

RMF-D5

REKLASTEN

ENGINEER OF DESIGN

LOS ANGELES WATER SYSTEM

Lowthy mile

(Corporation)

STATE OF CALIFORNIA

he 19.1984 before me, the undersigned, a Notary Public in and for said State, personally appeared _____()_llea

personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as the chairman personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as the ______ Secretary of the Corporation that executed the within instrument and acknowledged to me that such corporation executed the within instrument pursuant to its by-laws or a resolution of its board of directors.

WITNESS my hand and official seal.

JOANA J. PIERCE NOTARY PUBLIC LOS ANGELES COUNTY

My Commission Expires May 17, 1986

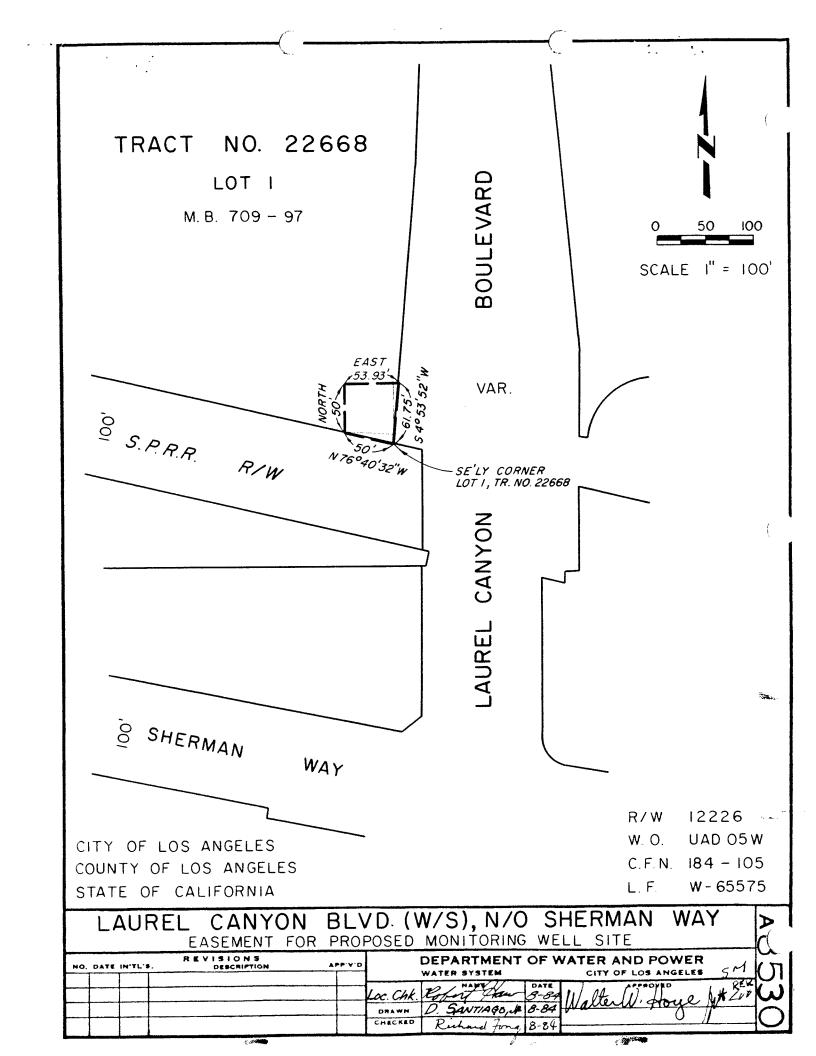
CERTIFICATE OF ACCEPTANCE

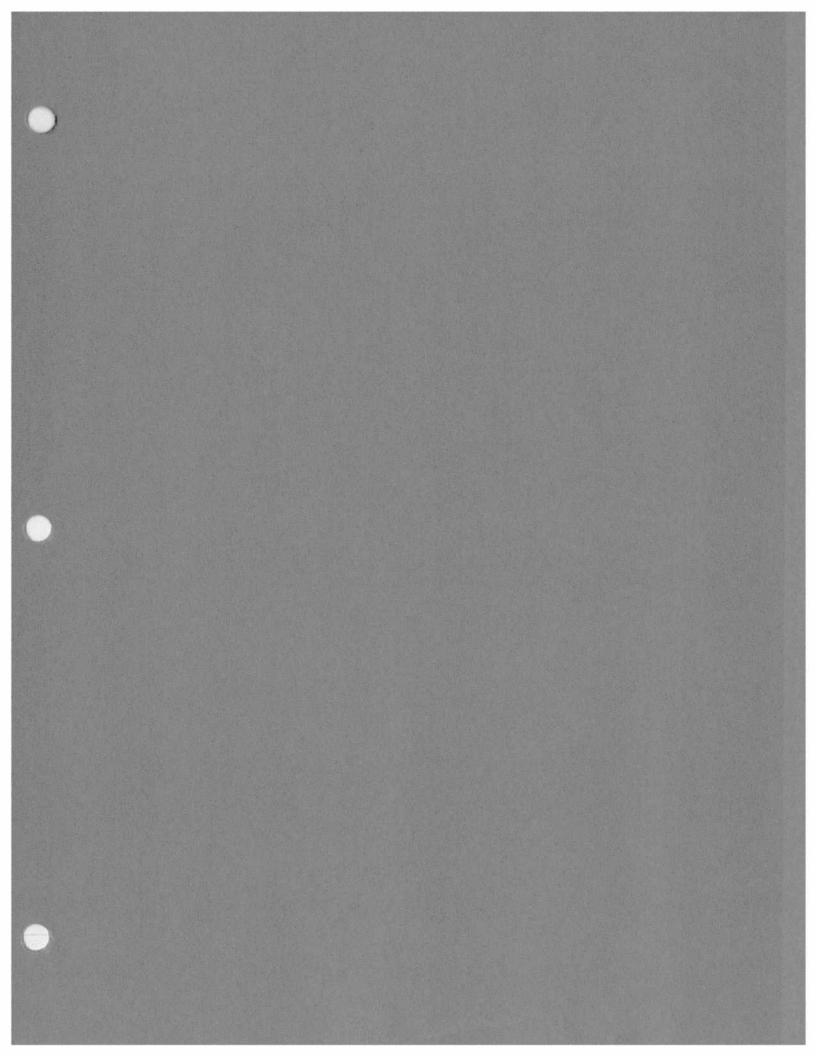
As authorized by resolution of the Board of Water and Power Commissioners of the City of Los Angeles, and recorded June 20, 1962, in Book M-1042, Page 587, of Official Records of the County of Los Angeles, California, the undersigned accepts and consents to the annexed deed or grant and the recordation thereof.

Oct 2,1984

eorgesoups

For and on behalf of the Board of Water and Power Commissioners of the City of Los Angeles.







Los Angeles By-Products Co.

Incorporated 1925

March 31, 1977

Mr. Scott J. Wilcott Corporate Counsel and Secretary Conrock Co. P.O. Box 2950 Los Angeles, CA 90051

Dear Scott:

Please find enclosed the original and one copy of the Quitelaim Deed covering an easement for sanitary sewer and appurtenant structure over a portion of the Hewitt site.

As requested in your letter of March 23, 1977, both copies of the Quitclaim Deed have been executed and acknowledged.

Very truly yours,

R. M. Salisbury

President

RMS:bs Encls. (2) March 23, 1977

Mr. Richard Salisbury, President LOS ANGELES BY-PRODUCTS CO. 1810 E. 25th Street Los Angeles, CA 90058

Dear Dick:

The City of Los Angeles has requested, pursuant to the requirements of Tract Map #22668 recorded September 20, 1963, an easement for sanitary sewer and appurtenant structure over a portion of the Hewitt site.

In connection therewith, they have also requested that we obtain an executed and acknowledged Quitclaim Deed from Los Angeles By-Products Co. and have forwarded to us for that purpose an original and one copy thereof.

I have enclosed these documents and request that you have the appropriate officials at Los Angeles By-Products execute and acknowledge them, and return them to me.

If you have any questions, please feel free to call me.

Very truly yours,

Scott J Wilcott Corporate Counsel and Secretary

:rl Enclosures AMPOITOLITE G-49-0.

SPACE ABOVE THIS LINE FOR RECORDER'S USE -

written by: 10 Charted by: 17

CORPORATION EASEMENT DEED

DISTRICT	COUNTY	ROUTE	POST MILE	NUMBER
\$1.7°	٤.	17.3	15.4	71874-1

GRANT to the State of California an EASEMENT for	Drainage	Purposea	
	City of	Los Angeles	
upon, over and across that certain real property in the			,

County of California, described as follows:

Subdivision of the East 12,000 acros of the South half of the Ranche Ex-Rissian of Fan Pernando, as shown on map recorded in Sook 31, page 39 et seq., of Miscellancous Records in the office of the County Escorder of said county, described as follows:

Beginning at a point in the fasterly line of that certain parcel of land described in deed to Ban Guilow et al., recorded Hovember 16, 1976 in Book 57323, page 656 of Official Records of said county, having a bearing and distance of my 14° 05° 20" W, 48.15 feet"; said point being N 14° 05° 20" W, 16.06 feet from the mort Southerly terminus of said line; thence N 73° 05' 18" E, 4.38 feet; thence M 81° 37' 29" E, 10.11 feet; thence N 16° 54' 42" E, 9.00 feet; thence S 64° 34° 03" E, 10.11 feet; thence S 73° 05' 18" E, 4.08 feet to said Easterly line; thence elong said Easterly line S 14° 05' 20" E, 6.51 feat to the point of beginning.

The date of possession by grantee of the herein described property is 7-21-81 or the recordation date of this deed, whichever occurred first.

Map No. Por of F-1385 6-25-51 RWPE:TOKITA Written by:LC Checked by:JT

07299-016741 N. of Sherman Way 07-LA-170-18.4 71874-2

TEMPORARY CONSTRUCTION EASEMENT

FOI	ARINTDIE	considerations,	the	e undersigned CONROCK CO.	
					 .

(do) does hereby GRANT to the STATE OF CALIFORNIA a TEMPORARY EASEMENT for purposes incidental to the construction of Drainage facility, in, on, over and across that certain real property in the City of Los Angeles, County of Los Angeles, State of California, described as:

That portion of Lot 49 of the Lankershim Ranch Land and Water Company
Subdivision of the East 12,000 acres of the South half of the Rancho Ex-Mission of
San Fernando, as shown on map recorded in Book 31, page 39 et seq., of Miscellaneous
Records in the office of the County Recorder of said county, described as follows:

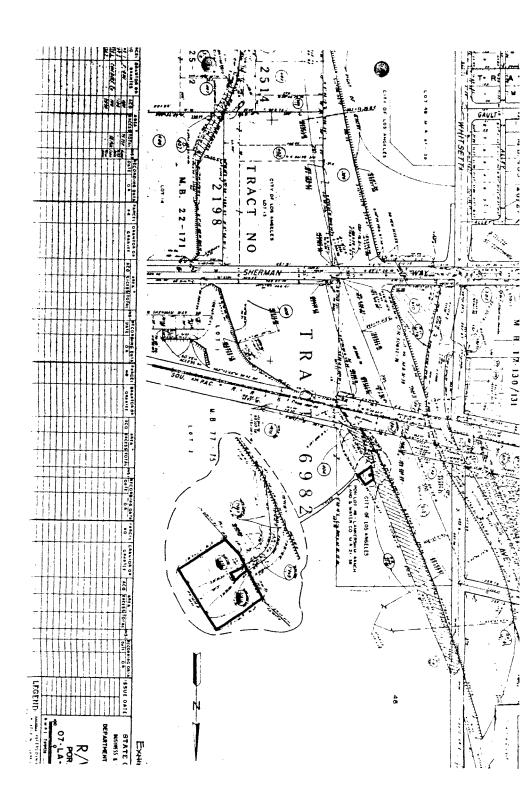
Beginning at the Southerly terminus of the Easterly line of that certain parcel of land described in deed to 8am Gudlow et al., recorded November 18, 1976 in Book D7323, page 666 of Official Records of said county, having a bearing and distance of "N 14° 05' 20" W, 45.15 feet"; thence along said Easterly line N 14° 05' 20" W, 10.06 feet; thence N 73° 05' 18" E, 4.38 feet; thence R 81° 37' 29" E, 10.11 feet; thence N 16° 54' 42" W, 9.00 feet; thence E 64° 34' 03" W, 10.11 feet; thence S 73° 05' 18" W, 4.08 feet to said Easterly line; thence along said Easterly line N 14° 05' 20" W, 27.03 feet; thence N 73° 05' 18" E, 47.75 feet; thence S 16° 54' 42" E, 60.60 feet; thence S 73° 05' 18" W, 47.93 feet to the Easterly

boundary of said land; thence along said Easterly boundary N 23° 17' 45" W, 17.06 feet to the point of beginning.

It is understood that when the further use of said temporary easement is no longer required, said parcel shall be cleared of all debris and left in a neat, clean and presentable condition, and this easement shall become null and void and shall terminate upon completion of said construction and in any event shall cease and terminate not later than 7-31-82.

AND ALSO the undersigned hereby waives any and all claims for compensation against the State of California, or its authorized agents, for damages to kx said reapproperty of the undersigned caused by or resulting from the use of said temporary easement area.

Dated this 7/2 day of October	, 19 E / .
Signed and delivered	
in the presence of	CONROCK CO.
	By William Jenkins
	By Co Person



Approved as to form by City Attorney April 28, 1984	1	
RECORDING REQUESTED BY		
**** (188)		
When Recorded Mail To	GRANTEE	7
	CITY OF LOS ANGELES Documentary Transfer Tax not	
	required: Sec. 11922 Revenue & Taxation Code.	
	SPACE ABOVE THIS LINE FOR RI	
EASE	R/W :	No. 30187-1E DM 7484
Between COMBOLIDATED ROCK P	equired title as: RODUCTS CO., a Delaware	corporation,
part.Y of the first part, and THE CITY		corporation of the Sta
of California), the party of the second part Witnesseth: That said part Y of the fir		on the receipt where
is hereby acknowledged, do	presents grant unto said party of th	e second part a perma
nent easement and right of way for sani	tary sewer and appurtena	nt structure
		, in, under, alon
upon and across	parcel of land in Tr	HE City of Los Angele
or 200 migetes, blace of Camornia,	described as follows, to-wit:	
The northerly of Lot 1, Tract No. 2260 pages 97 and 98, of Mapo of Los Angeles County:	30 feet of the easterly 58, as per map recorded s, in the office of the	in Book 709.
ALSO, that por as follows:	rtion of said lot bounder	d and described
·	y along said southerly lurve concave to the Southeing tangent at its positioned southeasterly alor in said easterly line;	ly 30 feet of line to the thwest, having int of ending my said curve thence norther!
The part Y of the first part hereby wai		y be caused by reason
	a compression of a markita second and	

conveyed.

Approved for Recordation:

•		SS. The me, the undersigned, a Notary Public in and for said
	State, personally appeared	,
		, known to me
	to be the person	
	Signature	
	Name (Typed or Printed) (Corporation)	(This area for official notarial smal)
	COUNTY OF	ss.
	On before	e me, the undersigned, a Notary Public in and for said
	known to me to be the	n named, and ted the within
	WITNESS my hand and official seal.	
	Signature	
	Name (Typed or Printed)	(This area for official sotarial seal)
R/W No. 30187-1E	JOB TITLE RIGHT OF WAY IN EXTERSION OF VALERIO STREET (WEST OF LAUREL CANYON BLVD. STANDARD INSTRUMENT Checked as to parties, marital status, dates, signatures, acknowledgments and corporate seal. Bureau of Eight of Way and Land By Title Officer.	By Principal Real Estate Agent. Approved as to description 19 City Engineer, By Deputy. Approved as to form 19 ROGER ARNERERGH, By Deputy.
	EASEMENT BECK PRODUCTS TO TO TO TO EASEMENT DEED Dated CERTIFICATE OF ACCEPTANCE This is to certify that the interest in real property conveyed by the within deed of great to The City of Los Angeles, as municipal corporation, is hereby accepted of The City of Los Angeles, and uniquent the authority of the City of Los Angeles, approved of The City of Los Angeles, and of The City of Los Angeles, and of The City of Los Angeles, approved January 23, 1983, and the granitee consents to the recondant intereof by its duly authorized officer.	By Authorized Officer Date: Authorized Officer Date: Date: D. M. Division D. M. Conditions Escrow

Approved as to form by City Attorney February 26, 1958		
RECORDING REC	QUESTED BY	
When Recorde	ed Mail To	
	•	Space Above This Line for Recorder's Use
		R/W 30187-18
	^ • •	im Deed
		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
n consideration of C	ONE DOLLAR (\$1.00)	to. it in hand paid, the receipt of v
		para, me receipt of v
s hereby acknowledged, NGELES, a municipal interest in and	do •• hereby release,	remise and forever quitclaim to The CITY OF f California, all right, title, and
s hereby acknowledged, NGELES, a municipal interest in and structure purpose	do she hereby release, corporation of the State o to an easement for es, in, over, alon	remise and forever quitclaim to The CITY OF f California, all right, title, and sanitary sewer and appurtenant g and across
s hereby acknowledged, NGELES, a municipal interest in and structure purpose	do hereby release, corporation of the State o	remise and forever quitclaim to The CITY OF f California, all right, title, and sanitary sewer and appurtenant g and across

SEE DESCRIPTION ATTACHED HERETO AND MADE A PART HEREOF

Approved for Recordation

	(Individual) STATE OF CALIFORNIA COUNTY OF SS.	
	On before me, the undersigned, a N State, personally appeared	Notary Public in and for said
	to be the person	known to me
	WITNESS my hand and official seal.	
	Signature	
	Name (Typed or Printed) (Corporation)	(This area for official notalial seal)
	STATE OF CALIFORNIA COUNTY OF LOS ANGELES SS.	
	On this 31st day of March 1977before me, the undersigned, a N State, personally appeared Richard M. Salisbury known to me to be the the Secretary of the corporation that	
	ment, known to me to be the persons who executed the within Instrument on behalf of the corporation therein named, and acknowledged to me that such corporation executed the within instrument pursuant to its by-laws or a resolution of its board of directors.	OFFICIAL CEAL
	WITNESS my hand and official seal.	MICHAEL L. KOSKI NOTARY PUBLIC-CALIFORNI PRINCIPAL OFFICE IN
		My Commission Expires June 24, 1980
	Name (Typed or Printed)	(This area for official notarial seal)
R/W No. 30167-18	JOB TITLE RIGHT OF WAY IN EXTRESION OF VALERIO STREET Checked as to parties, marital status, dates, signatures, acknowledgments and corporate seal. BUREAU OF RIGHT OF WAY AND LAND By Title Officer. Aproved as to Authority , 19 BUREAU OF RIGHT OF WAY AND LAND By Principal Real Estate Agent. Approved as to description , 19 CITY ENGINEER	Approved as to form , 19 ROGER ARNEBERGH City Attorney. By Deputy. Council File No.
***************************************	To To To Authorized Officer To To Authorized Officer This is to certify that the interest in real property conveyed by the within deed or grant to The City of Los Angeles, a municipal corporation, is hereby accepted under the authority of the City Council of The City of Los Angeles, pursuant to Ordinance No. 123655, approved January 23, 1963, and the grantee consents to the recordation thereof by its duly authorized officer.	Division. Division. Platted D.M. Co.E. Conditions Escrow Signature Date

DO NOT WRITE ON THIS SIDE OF LINE, LEAVE FOR BINDING.

LAW OFFICES LATHAM & WATKINS

July 12, 1955

SUITE 330 STATLER CENTER LOS ANGELES (7, CALIFORNIA MAO(30N 8-0(5)

WASHINGTON, O. C. OFFICE TRANSPORTATION BUILDING NATIONAL & C294

Consolidated Rock Products Co. P. O. Box 2950 Terminal Annex Los Angeles 54, California

Attention: Mr. Walter Moore

Re: <u>Hewitt Condemnation Suit</u>

Gentlemen:

Enclosed is a Memorandum covering our legal position in connection with the pasement area involved in the Hewitt Condemnation Suit. Please look it over at your early convenience and let me know if you have any questions with respect to it. If the facts set forth on pages I to three, inclusive, of the Memorandum are not accurate, please let me know.

Yours very truly,

of LATHAM & WATKINS

Enc. KW:lf

MEMORANDUM

July 11, 1955

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TO: K.W.

FROM: C.R.W.

CLIENT: Consolidated Rock Products Co. Hewitt Condemnation Suit

SQ.

FACTS:

Thirty years ago an easement, 100 feet wide, was granted across the Hewitt property to the Los Angeles County Flood Control District by client's predecessor in interest, Consumers Rock and Gravel Co. The deed granted "a perpetual easement and right of way unto said second party, for the construction, reconstruction, inspection, maintenance and repair of protection works for the purpose of confining the waters of Tujunga Wash in a single channel and for the purpose of establishing an official channel to the waters of the said stream in a definite course." The consideration was One Dollar (\$1.00) and the further consideration of the benefits derived by said first party from the establishment of said official channel. From the time the easement was granted until the present, "County Flood Control" has done nothing to construct a channel through the easement nor used the easement in any way. The easement runs in a N.W. to S.E. direction, and the northern part of the easement is located where the old Tujunga drainage once traveled, but the southern part of the easement extends to the east of the normal wash. The easement ends on the south at a point where it connects with the Southern Pacific Railroad track. The easement doesn't

continue to the south of the tracks. That area, also owned by Consolidated, has been zoned for industry subsequent to the granting of the easement -- as far as we know it was zoned industrially in the early 1940's. That area is now being used by tile manufacturers and directly to the south of that is Sherman Way Highway which is used extensively by motor vehicles. From all outward appearances, because of the industry and highway, it would be very difficult and expensive to acquire easements connecting to the southern tip of our client's easement for the purpose of using the easement for drainage purposes as originally intended. In 1940 Hansen Dam was built in the northern part of the San Fernando Valley to control the flood waters of the Tujunga. Approximately four or five years ago a concrete canal was built for the purpose of carrying the waters of the Tujunga Wash. This canal is known as the Tujunga Wash. About two or three miles to the north of our property the Tujunga Wash travels over the natural Tujunga washbed but then the canal veers to the west of the old natural channel and by the time the canal is as far south as our client's property it is located about 3/4th of a mile to the west. This canal is large and permanently built and appears to be adequate for confining the waters of the Tujunga Wash in a single and official channel. Not long after the Tujunga Wash was built to the west of our client's property, our client erected a chain link fence around its property enclosing the easement and also a subterranean fence on the western border of its property enclosing the easement. These fences were built at some expense and upon reliance that the easement had been abandoned by the County Flood Control District. At the present time there is some drsinage of water traveling part

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way on the land where the easement is located and part way on the portion of the land owned exclusively by Consolidated Rock. All of this is local drainage and no waters are presently coming upon client's property from the Tujunga Wash. In January of 1954 the County Flood Control quitclaimed all of its "right, title, and interest" in this property to the City of Los Angeles. This easement was presumably quitclaimed to the city for the purpose of using the easement for local drainage.

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QUESTION:

Has the above mentioned easement been extinguished by abandonment by the County Flood Control District?

CONCLUSION:

Applying the facts and circumstances of this case to the law, it can only be concluded that the easement has been extinguished by abandonment.

California Civil Code, Sec. 811 states:
"A servitude is extinguished:

3. By the performance of any act upon either tenement, by the owner of the servitude, or with his assent which is incompatible with its nature or exercise; or,"

Abandonment is such an act as described in California Civil Code, Sec. 811 that would extinguish the easement.

How may an easement created by grant, be extinguished by abandonment?

There are apparently three different theories. The first, and most prevalent is that to affect an abandonment there must be non-user and an intent to abandon the easement by the dominant owner. <u>Parker v. Swett</u>, 40 CA 68, 180 P. 351 (1919); <u>Whelan v. Zahniser</u>, 92 CA 2d 770, 207 P. 2d 629 (1949).

The uncontradicted weight of authority holds that an easement created by grant cannot be lost by mere non-user no matter how long that non-usermay continue, <u>Watson v. Heger</u>, 48 CA 2d 417, 120 P. 2d 153 (1941); <u>Walker v. Lillingston</u>, 137 C. 401, 70 P. 282, (1902). In <u>Whelan v. Zahniser</u>, supra, it was held that an easement acquired by deed is not normally lost by mere non-user; but, there must be an intent to abandon it either express or implied.

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Where an easement is created by grant, what degree of intent to abandon must be proven?

In <u>Parker v. Swett, supra</u>, it was held than an easement created by grant may only be lost by abandonment when the intent to abandon <u>clearly</u> appears.

The second theory upon which an abandonment of an easement granted by deed may be founded, requires that in addition to the elements of non-user and intent to abandon, there is also damage to the owner of the servient estate.

19 Cal. Jur 2d 144. This rule as expressed in Cal. Jur. 2d is based upon Smith v. Worm, 93 C. 206, 28 P. 944, (1892), where the court stated at page 212;

"An easement acquired by deed is not lost by mere non-user. It must be accompanied with the express or the implied intention of abandonment, and the owner of the servient estate, acting upon the intention of abandonment and the actual non-user, must have incurred expenses upon his own estate. The three elements, non-user, intention to abandon, and damage to the owner of the servient estate, must concur in order to extinguish the easement."

The theory behind this requirement of damage to the owner of the servient estate is estoppel. In many cases there is a confusion between the various theories of extinguishment of easements. This fact is illustrated by the statement made by the writer in 36 CLR 490, at page 491:

"The Restatement of Property expressly recognizes the abandonment doctrine in addition to the doctrine of adverse possession, release, and estoppel. A survey of decisions in easement extinguishment cases, however, shows no clear-cut distinction, especially as between abandonment and estoppel."

However, the requirement of damage to the owner of the servient estate, before an abandonment may be effected, is set forth in <u>Smith v. Worn</u> only. In no other case is said damage expressly required as a prerequisite to an abandonment. Also, in <u>Flanagan v. San Marcos Silk Co.</u>, 106 CA 2d 458, 235 P. 2d 107 (1951), and in <u>Whelan v. Zahiser, supra</u>, there was no damage to the owner of the servient estate in relying on an abandonment, and the court held that all that was necessary was non-user and an intent to abandon. The holding of <u>Smith v. Worn</u> is also minimized in the California Annotations to the Restatement of Property at page 234 where in commenting on <u>Smith v. Worn</u> it was said:

"There is also a suggestion that a change of position by the servient owner is essential to an abandonment."

Although the statement made in <u>Smith v. Worn</u> appears to be more than a suggestion, it is obvious that the case is not controlling in California as to the elements of abandonment.

The damage to Consolidated Rock in relying upon the abandonment of the easement can be proven by the expenses from the building of the chain link and subterranean fences. This should be considered sufficient to establish that Consolidated Rock had been misled to its prejudice. In <u>Smith v. Worn</u> a sixty foot (presumably wooden) fence had been built by the servient owner, and the court held that no one had been misled to his prejudice by the acts of the dominant owner. However, there is a substantially greater degree of evidence of intent to abandon in our case and there is greater expense in our case.

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Therefore, the facts of our case and <u>Smith v. Worn</u> could be distinguished. It would be my opinion that we have a good case of abandonment under the second theory where a showing of damages by the servient owner is necessary.

The third theory of abandonment applies to public purpose easements such as our own. Easements acquired by public utilities for a public purpose are terminated by abandonment of the public purpose, whether they were originally gained by prescription, grant, or eminent domain. 38 Cal. Jur.(2d) p. 148.

The two principal cases supporting this doctrine are Feople v. Ocean Shore R., Inc., 32 C. (2d) 406, 196 P. (2d) 570, (1948); and Slater v. Shell Oil Company, 39 CA (2d) 535, 103 P. (2d) 1043, (1940). In People v. Ocean Shore R., suprs, there was a question of whether or not the railroad had lost a right of way. Court ruled that the easement had been abandoned, holding that an easement acquired by a utility for a public purpose is terminated by abandonment of that purpose, and whether or not there has been such an abandonment is ordinarily a question of fact. The court could properly conclude that the right of way was abandoned and that the nonuser was voluntary where there was evidence that defendant's predecessor had stopped running its trains, had removed its tracks and sold its equipment, and had represented to the Corporation Commissioner that it no longer was a public utility. In Slater v. Shell Oil Corp., supra, the plaintiff for consideration granted an easement for a pipe line across plaintiff's premises to Valley Pipe Line Co., a public utility, for the purposes of carrying oil for the public. Valley Pipe Line Co., owned by Shell Oil Co., was later dissolved and all

assets were transferred to Shell Oil Co., defendant. The trial court granted a non-suit on the grounds that the right of way had been assigned to Shell. The appellate court reversed, stating at page 549:

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"The evidence demonstrates the Shell Cil Company and the Valley Pipe Line Company intended that, by the attempted transfer and dissolution, the public purpose to which the Slater easement had been devoted should cease and terminate. . Where the public use has terminated or been abandoned the easement terminates and the property reverts to the grantors. . . It is well settled that where a utility acquires an easement (as distinguished from a fee simple title) in the nature of a right of way for a public purpose, the abandonment of the public purpose terminates the easement and the easement reverts (citing authority). In the application of this rule it makes no difference whether the easement was gained by grant or by the exercise of eminent domain (citing authority). Whether or not there has been an sbandonment of a public use is a question of fact (citing authority)."

The theory of abandonment by abandoning the public purpose is merely another way that the easement may be extinguished. It would not mean that the easement could be abandoned only in this matter. What the cases seem to imply is that if the public purpose is abandoned then not even the element of non-user is essential and that element is only helpful to prove the intent to abandon the public purpose.

The rule as it is generally stated is limited to easements acquired by <u>public utilities</u> for a public purpose. Although the Los Angeles County Flood Control District is not strictly speaking a public utility, it is similar to a public utility in that it also is dedicated to a public use, it is defined as a public corporation on a quasi-political subdivision of the State, and both public utilities and the "District" have the power of condemnation. It is submitted that the reason for the rule of abandonment of easements by public utilities by virtue of abandonment of the public purpose is because such

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easements may be taken by condemnation or by threat of condemnation. It is stated in <u>Slater v. Shell Oil Company</u>, <u>supra</u>, at p. 548:

"It would be a strange doctrine indeed to permit a public utility to gain rights of way and other property by threat or actual use of eminent domain proceedings, and then, after such property is devoted to a public use, to permit it to dissolve and thus transfer by operation of law to its sole stockholder this property freed from the public use." (Underlining added).

Since the "Flood Control District" also has the power of condemnation, it logically follows that the rule as stated would equally spply to the "Flood Control District".

What was the extent and public purpose of this easement?

California Civil Code, Sec. 806 states:

"The extent of a servitude is determined by the terms of the grant, or the nature of the enjoyment by which it was acquired."

In <u>Fristoe v. Drapean</u>, 35 C. (2d) 5, 215 P. (2d) 729 (1950) it was held that under section 806 of the Civil Code, which defines the extent of all servitudes, the controlling factor is the terms of the grant. And, in <u>Whalen v. Ruiz</u>, 40 C. (2d) 294, 253 P. (2d) 457, (1953), it was stated that since the extent of a servitude is determined by the terms of the grant, both parties have a right to insist that so long as the easement is enjoyed it shall remain substantially the same as it was at the time the right accrued, regardless of the question as to the relative benefit and damage that would ensue to the parties by reason of a change in the mode of its enjoyment. Thus, we must look to the grant to determine the extent of the easement and the public purpose for which this easement was to be used. The grant states that the easement and right of way is granted "for the construction, reconstruction, inspection,

maintenance and repair of protection works for the purpose of confining the waters of Tujunga Wash in a single channel and for the purpose of establishing an official channel to the waters of the said stream in a definite course." Thus, the easement on this property was acquired for the public purpose of devoting this easement to the confining of the waters of Tujunga Wash in a single and official channel. It is obvious that this public purpose has been abondoned because:

- 1. An official single channel confining the waters of the Tujunga was built 3/4ths of a mile away, over four years ago and is now in use. That channel is large, concrete, well constructed and appears to be quite adequate for the purpose of confining the waters of the Tujunga Wash.
- 2. The easement across our client's property could never be used satisfactorily for the purpose of confining the waters of the Tujunga since there is no easement to the south of the Southern Pacific Railroad track and there is large industry and a highway directly to the south of the point where our easement ends.
- 3. There has been a non-user of this easement for a long period of time -- 30 years.
- 4. The County Flood Control divested itself of all right, title and interest in the easement by quitclaiming it to the City of Los Angeles in January of 1954.

The conclusion that the easement has been abandoned by abandonment of the public purpose is further substantiated by applying the facts of our case set forth above to the holdings in <u>Barton v. Jarvis</u>, 218 Ky. 239, 219 S.W. 38, (1927); Abercrombie v. Simmons, 71 Kan. 538, 81 P. 208 (1905); and Chicago & N.W. Ry. Co. v. Sioux City Stockyards Co., 176 Iowa

659, 158 N.W. 769. All three of these cases were cited as authority in the California case of Slater v. Shell Oil Company, supra, for the proposition that where a utility acquires an easement in the nature of a right of way for a public purpose, the abandonment of the public purpose terminates the easement and the easement reverts. In Chicago Ry. Co. v. Sioux City Stockyards, supra, the railroad had a right of way to the stockyard which was abandoned. The court held that a grant of an easement for particular purposes having been made, the right thereto terminates as soon as the purposes for which granted cease to exist or are abandoned or are impossible. In our case the purpose for which the easement was granted -- of confining the waters of the Tujunga Wash -- has ceased to exist and has been abandoned because of the building of the channel in a different location and the other reasons set forth above. In Abercrombie v. Simmons, supra, a railroad purchased a strip of land for a right of way for tracks. The tracks were never constructed or graded and the railroad later conveyed its rights in the strip of land. The court held there was an abandonment, stating:

"It took the strip for a specific purpose, and could hold it so long as it was devoted to that purpose . . . the interest was taken for use as a right of way, it was limited to that use, and must revert when the use is abandoned."

Again the facts in our case apply to the holding. In <u>Barton</u>
<u>v. Jarvis</u>, <u>supra</u>, the language of the court is particularly applicable to our case. The railroad had been granted a strip of land "to have and to hold the lands hereby conveyed unto said railroad company and assigns for the use of depot buildings, side tracks, water tanks, cattle pens and all other proper uses necessary to operate its railroad. . . " Later the

railroad sold a portion of the land. Held, it had been abandoned. The court stated:

"If the uses of the land are limited to certain purposes, the railroad company acquires only an essement for those purposes, and when the purposes for which the land was conveyed are sbandoned, the land will revert, as it does where an essement has been acquired for right of way purposes.

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"The courts are not inclined to favor forfeiture of easements unless the intent to abandon them plainly appears. The act of the railroad company, however, in attempting to convey a fee simple title to the appellant Barton, is conclusive evidence of its intent to abandon the ground for the purpose for which it had been conveyed to it. The appellant Barton, therefore, acquired no title under the deed from the railroad company and the ground reverted to the successors in title of Liberty S. Salton." (Underlining added.)

This case clearly sets out the rule that evidence of an attempted sale of an easement devoted to a particular purpose is conclusive evidence of the intent to abandon. Thus where the easement has been granted to the "District" for the purpose of confining the waters of the Tujunga Wash, and the "District" quitclaims the easement to the City of Los Angeles, this is conclusive evidence of the intent of the District to abandon the easement.

Also, there is a recent California case which further affirms the doctrine of abandonment by a public body through abandonment of the public purpose. In that case, Ocean Shore Railroad Co. v. Doelger, 127 CA (2d) 392, 274 P. (2d) 23, (1954), the court stated at p. 403:

"On the question of abandonment the following language from Mammoth Cave National P. Ass'n v. State Highway Com., 261 Ky. 769, 88 SW (2d) 931, 935, is appropriate: 'The record clearly discloses that the railroad company, by abandoning the use of its railroad, tearing up and removing its tracks, and attempting to convey the land to others to be dedicated to other purposes, abandoned its right of way, and the lands thereupon reverted to the grantors or their successors in title. The right of way is in the nature of an easement, and

is acquired only for the purpose of the railroad. When the road is abandoned or removed from the strip of land over which the railroad has a right of way the land is discharged of the burden. California & Nevada R. Co. v. Mecartney, 104 C. 616, 623, 38 P. 448.

In our case the "District" had acquired an easement for the purpose of constructing a channel for the Tujunga Wash. When there was no longer an intention of constructing a channel for the Tujunga Wash over our client's land the purpose of the easement was abandoned, and thus the land was discharged of its burden.

In all cases of abandonment of an easement acquired by deed the one essential element is the intent to abandon. Whether or not acts are done with intent to abandon an easement is a question of fact to be determined by the trial court from consideration of the conduct of the parties and the surrounding circumstances. <u>Flanagan v. San Marcos Silk Co.</u>, <u>supra</u>. However, let us now look at the facts of our case to determine what conduct by the "District" would strongly evidence an intent to abandon as held by other cases:

- (1) Non-user for thirty years -- In Home Real Estate

 Corp. v. The Los Angeles Pacific Company, 163 C. 710,

 126 P. 972 (1912) and Flanagan v. San Marcos Silk Co.,

 supra, it was held that although mere non-user not accompanied by an intent to abandon will not extinguish an

 easement, a long continued non-user is, however, some

 evidence of an intent to abandon. In the two cases cited

 there was non-user for 15 and 16 years respectively. In

 our case there was non-user for twice that period.
- (2) It would be almost impossible to utilize the easement for the purpose for which it was conveyed -- confining the waters of the Tujunga Wash into one channel--

since the "District" never acquired an easement south

of the railroad tracks and the area south of the southern

end of the easement has been permitted to be zoned industrially and in fact buildings and plants have been situated there for some period of time.

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In <u>Flansgan v. San Marcos Silk Co.</u>, supra, it was held that an abandonment may be predicated on facts showing that the means of an enjoyment of an easement have been in a state of disrepair for a long period of time.

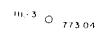
(3) Instead of using this essement for the purpose of confining the Tujunga Wash into one official channel snother parallel route was used three fourths of a mile to the west.

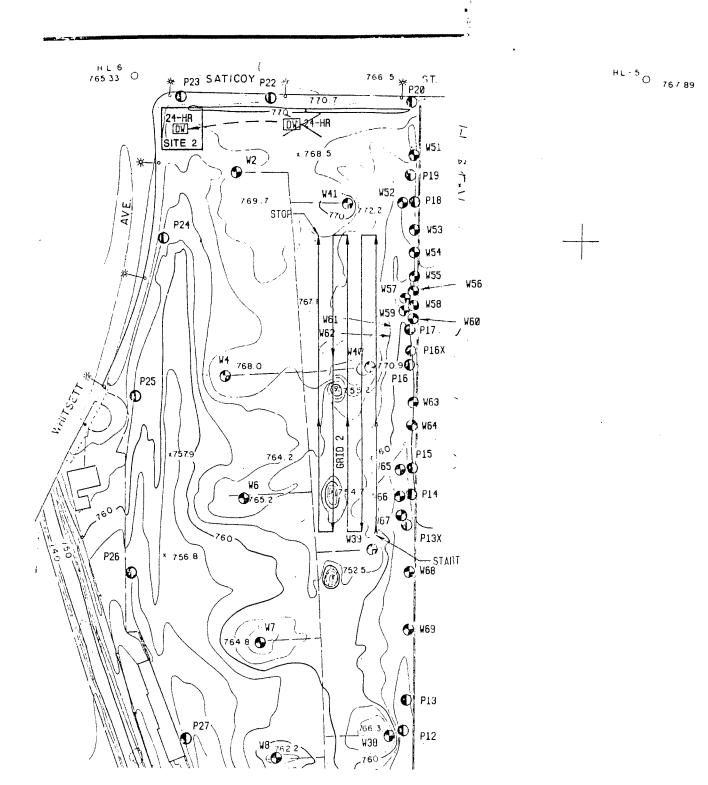
In Home Real Estate Company v. The Los Angeles Pacific Company, supra, one of the important factors in holding there was an abandonment of a railroad line for the purpose of carrying passengers, was the construction of another parallel line which was used for the transportation of passengers to and from such terminal point. And in Flanagan v. San Marcos Silk Co., supra, one of the deciding factors in supporting a finding of an abandonment of an essement for the maintenance of a pipe line to carry water from an irrigation district to the silk plant, was the affirmative acts of the parties in obtaining a new and different source of supply of water by means of digging wells.

(4) The attempted conveyance of the easement granted for a particular public purpose by the District to the City of Los Angeles in January of 1954 -- Abercrombie v.

Simmons, supra; Slater v. Shell Oil Company, supra; and Ocean Shore Railroad v. Doelger, supra, all recognize the importance of this element in showing an intent to abandon. <u>Barton v. Jarvis</u>, supra, held it was conclusive evidence of an intent to abandon.

In view of the above discussion, it can only be concluded that the Los Angeles County Flood Control District has abandoned the easement.





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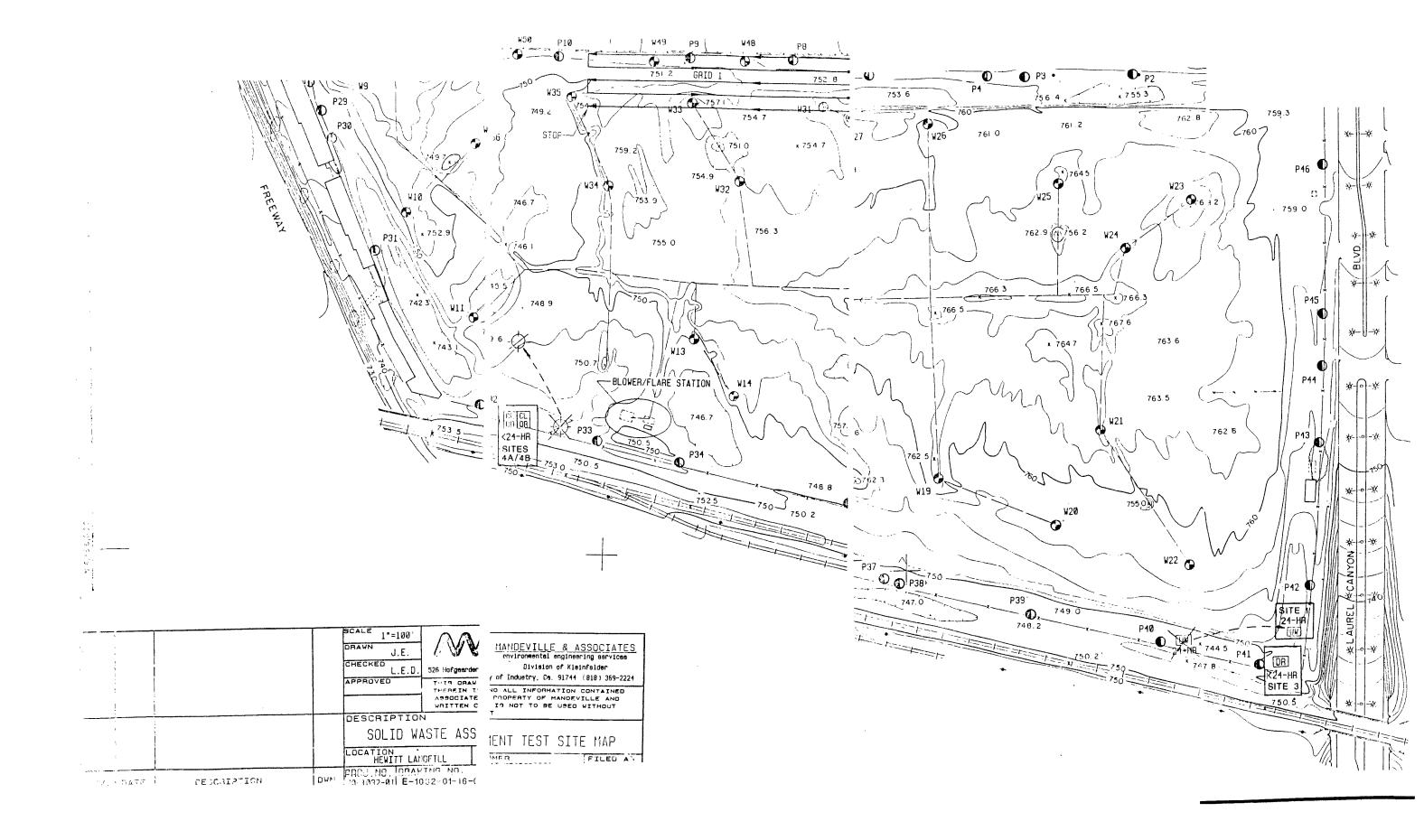
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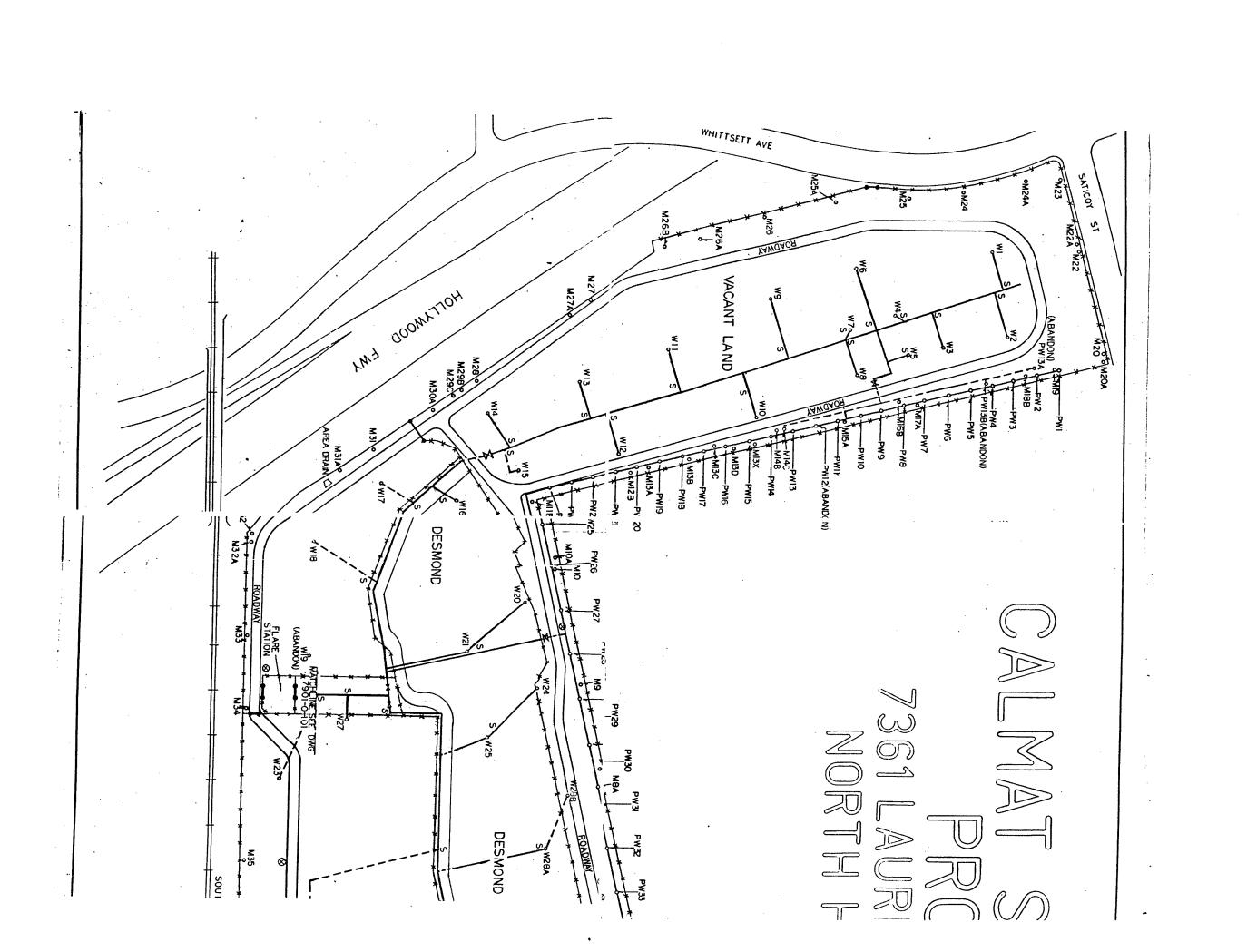
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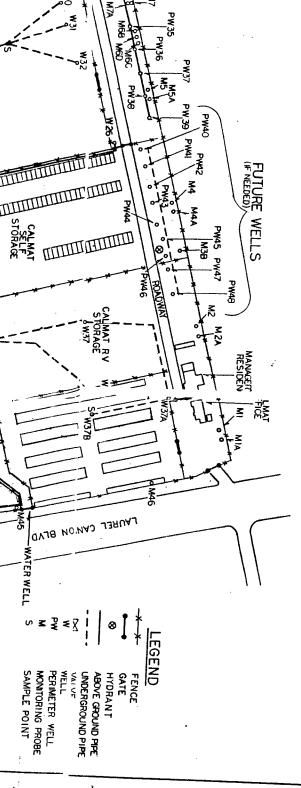
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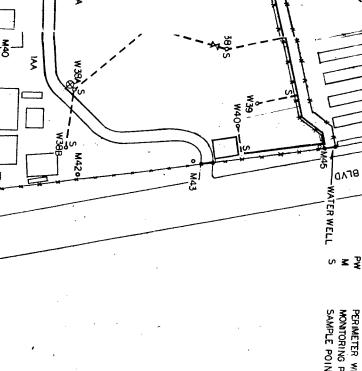












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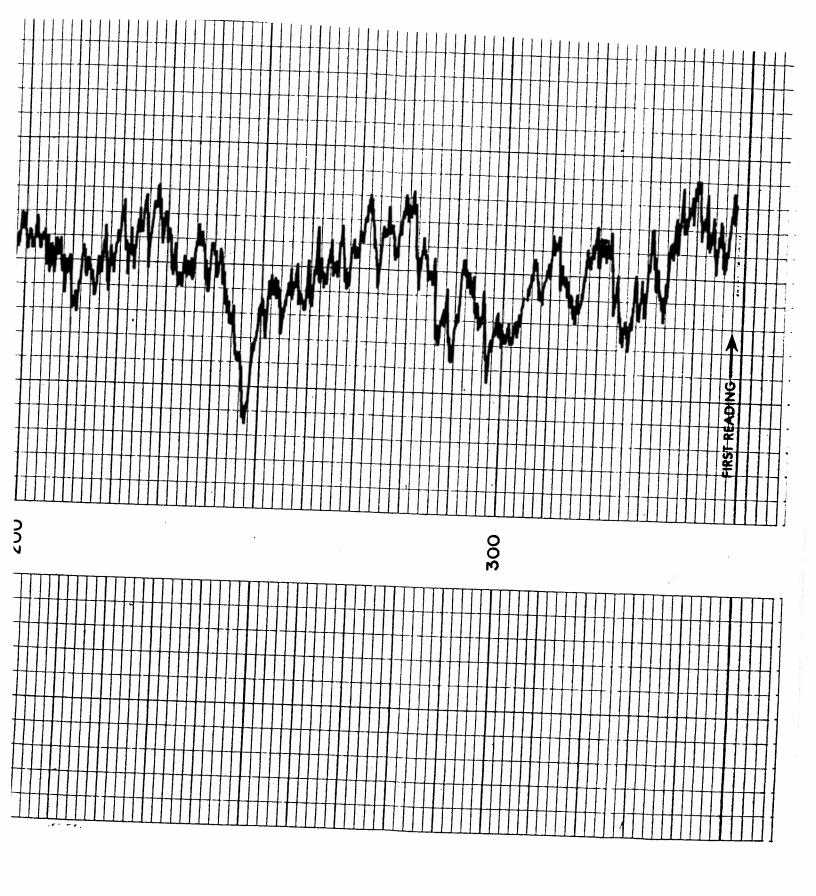
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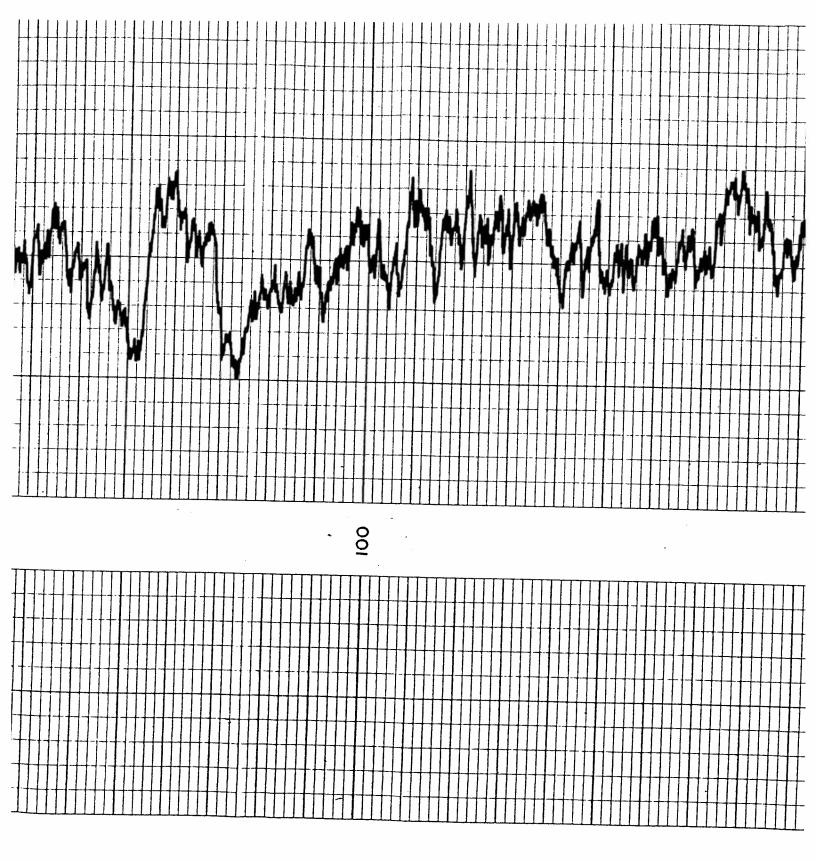
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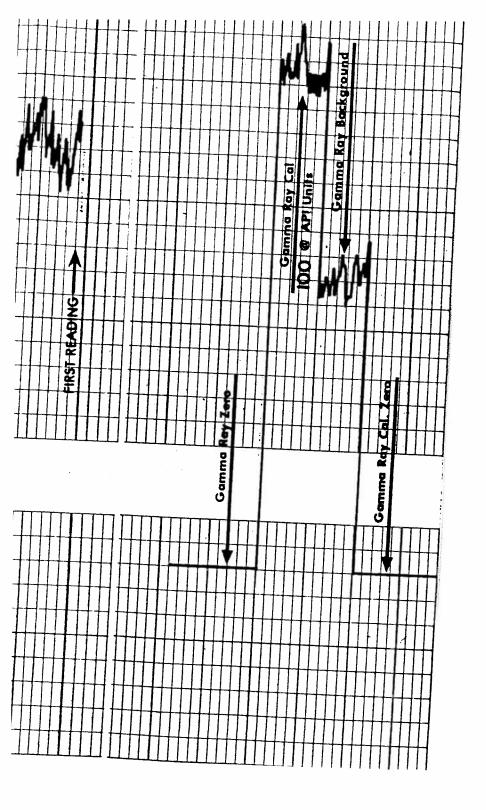
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WELL ENGINEERING SURVEYS

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